



CV, Ole Torsæter

Education and degrees

- **Siv.ing. Bergavdelingen, Norwegian Institute of Technology, (NTH), 1975. Thesis: “A Reservoir engineering and economic analysis of an oil-bearing structure in the North Sea”.**
- **Dr.ing. NTH, 1983. Thesis: “An Experimental Study of Water Imbibition in North Sea Chalk”.**

Work experience

January 1976 to March 1977:	Royal Norwegian Navy. Quartermaster.
April 1977 to December 1979:	SINTEF Dept. of Petroleum Engineering. Researcher.
January 1980 to Dec. 1982:	Dr.Ing. scholarship from NAVF, NTNf and Mobil, working at Phillips Petroleum Company Research Centre in Bartlesville, Oklahoma, USA.
January 1983 to February 1987:	Dept. of Petroleum Engineering and Applied Geophysics, NTH. Associate Professor in reservoir engineering.
March 1987 to February 1988:	Reservoir Laboratories as. Senior Reservoir Engineer.
March 1988 to Oct. 2021:	Dept. of Petroleum Eng. and Applied Geophysics, NTNU: Associate Professor
• March -88 to Jan.-91:	Professor (emeritus from Oct. 2021)
• Jan.-1991to Oct. 2021:	Visiting Prof., New Mexico Tech., USA
• July -91 to June -92:	Head of Department.
• Jan.-93 to June -96:	Visiting Prof., Texas A & M Univ., USA
• August-07 to June-08:	Visiting investigator at A*STAR, Singapore
• Sept.10 to Nov.25, 2015:	Visiting Professor, Univ. of Bordeaux, France
• Feb. 2 to March 15, 2016:	Visiting investigator at A*STAR, Singapore
• May 1 to May 28, 2016	Principal Investigator in Pore Lab, NTNU-UiO Porous Media Laboratory (Norwegian Centre of Excellence)
• Aug. 2017 – Oct. 2019	Research associate in PoreLab
• Oct. 2019 – present:	University of Oslo. Adjunct Professor
Oct. 2017 to Oct. 2021:	

Ongoing research projects

- Nanofluids for EOR.
- Fluid topology in drainage and imbibition.
- Wettability fundamentals.

Graduated Dr.ing. and PhD (25):

- 1 -Ying Guo: "Centrifuge experiment and relative permeabilities", 1988.
- 2 -Fridtjof Ravn Munkvold: "Relative permeability and capillary pressure experiments", 1993.
- 3 -Jan Chr. Rivenæs: "A computer simulation model for siliciclastic basin stratigraphy", 1993.
- 4 -Kjell Erik Wennberg: "Particle retention in porous media. Applications to water injectivity decline", 1998.
- 5 -Manoochehr Abtahi: "Scaling immiscible flow through heterogeneous porous media", 1999.
- 6 -Saifullah Talukdar: "Ekofisk chalk; core measurements, stochastic reconstruction, network modelling and simulation", 2002.
- 7 -Mohammad Sarwaruddin: "Modelling of capillary pressure hysteresis curves by gamma absorption technique", 2003.
- 8 -Medad T. Tweheyo: "Modelling hydrophobic membrane wells for water- free oil production and downhole separation" 2003.
- 9 -Jo Røislien: "Random Field Models and Near Well Reservoir Characterization", 2004
- 10 -Alf Sebastian Lackner: "Improved Experimental Quantification of Special Core Analysis Parameters", 2005.
- 11 -Frode Haavind: "Increased Maximum Sand Free Rate by Use of Chemical Sand Consolidation", 2006.
- 12 -Hassan Karimaie: "Aspects of water and gas injection in fractured carbonate reservoirs", 2007.
- 13 -Mehdi Shabani Afrapoli: "Experimental study of displacement mechanisms in microbial improved oil recovery processes", 2010.
- 14 -Christian Crescente: "Experimental studies of microbial enhanced oil recovery", 2012.
- 15 -Raheleh Farokhpour: "Experimental investigation of the role of relative permeability and wettability in geological CO₂ storage in saline aquifers", 2012.
- 16 -Mohammad Ashrafi: "Experimental investigation of the temperature dependency of relative permeability data in heavy oil systems with applications to thermal recovery", 2013.
- 17 -Yaser Souraki: "Experimental investigation and numerical simulation of thermal recovery processes applicable in Athabasca bitumen reservoirs", 2013.
- 18 -Szczepan Polak: "Laboratory and numerical study of scaling parameters used in modelling of CO₂ storage in rocks", 2014.
- 19 -Amir Taheri: "Experimental and numerical study of density-driven natural convection mechanism during storage of CO₂ in brine aquifers", 2015.
- 20 -Luky Hendraningrat: "Unlocking the potential of hydrophilic nanoparticles as novel enhanced oil recovery method: An experimental investigation", 2015.
- 21 -Shidong Li: "An Experimental Investigation of Enhanced Oil Recovery Mechanisms in Nanofluid Injection Process", 2016.
- 22 -Hamid Hosseinzade Khanamiri: "Enhanced Oil Recovery by Low Salinity Surfactant: Effect of Ions on Core and Pore Scales", 2016.
- 23 - Reidun Cecilie Aadland: "Experimental Study of Flow of Nanocellulose in Porous Media for Enhanced Oil Recovery Application", 2019.
- 24 - Bahador Najafiazar: "Hybrid nanogels for water diversion", 2019.
- 25 - Alberto Bila: "Experimental investigation of surface-functionalized silica nanoparticles for enhanced oil recovery", 2020.

Teaching

Flow in porous media, Experimental reservoir engineering, Unconventional reservoirs, Fractured reservoirs.

Some public communications

- Aftenposten (31.01.2013): «Vil vaske ut den siste olje med såpe», Newspaper interview.
- NRK P2 (Ekko, 03.01.2013): «Økt utvinning ved injeksjon av såpe», radio interview.
- no.1, Gemini June 2013: «Vasker ut olje med Zalo», journal interview (p.44).
- B-magasinet, no.1, Year 5 (Beerenberg, 2013): «Tiden er inne for økt utvinning», journal interview (p.10-11).
- International Innovation, Research Media Ltd, June 2013: “Black gold, Improved oil recovery by nanofluids flooding” (p.122-124).
- NRK TV (MidtNytt, 13.10.2014): TV interview about nanofluid for EOR.
- Geo (2015): Various articles about nanofluid for EOR.

Member of Dr.-evaluation committees at other universities (39):

1.	Dr.Scient Jan Erik Nordtvedt	Univ. of Bergen	1989
2.	Dr.Philos Arne Graue	”	1991
3.	Dr.Scient Erik Søndena	”	1991
4.	PhD Shouxiang Ma	New Mexico Tech	1992
5.	Dr.Scient Ogbonnia Eleri	Univ. of Stavanger	1995
6.	Dr.Scient Jess Milter	”	1996
7.	Dr.Scient Knut Arne Børresen	”	1996
8.	Dr.Scient Bjørn Gerry Viksund	University of Bergen	1998
9.	Dr.Scient Hege Urkedal,	”	1998
10.	Dr.Scient Samuel Subbey	”	2000
11.	Dr.Scient Randi Valestrand	”	2002
12.	Dr.Scient Stein Ottar Stalheim	”	2002
13.	Dr.ing. Skule Strand	Univ. of Stavanger	2006
14.	PhD Karam Ali Rezaei Gomari	”	2006
15.	PhD Mathieu Jurgawczynski	Imperial College, UK	2006
16.	Dr.Scient Eirik Aspenes	Univ. of Bergen	2007
17.	Dr.Scient Robert Wilhelm Moe	“	2007
18.	PhD Liping Yu	Univ. of Stavanger	2008
19.	PhD Geir Ersland	Univ. of Bergen	2008
20.	PhD Audun Nyre	“	2009
21.	PhD Uday Prasad Sharma	Indian S. of Mines	2009
22.	PhD Edwin Andrew Chukwudeme	U. of Stavanger	2010
23.	PhD Edin Alagic	Univ. of Bergen	2010
24.	PhD Åsmund Haugen	“	2010
25.	PhD John F. Zuta	Univ. of Stavanger	2011
26.	PhD Abhijit Samanta	Indian S. of Mines	2011
27.	PhD Xuan Zhang	Tech. Univ. of Denmark	2011
28.	PhD Bartek F. Vik	Univ. of Bergen	2011
29.	PhD Vahid Alipour Tabrizy	Univ. of Stavanger	2012
30.	PhD Aruoture V. Omekeh	Univ. of Stavanger	2013
31.	PhD Pavel Spirov	U. of Aalborg, Denmark	2014
32.	PhD Hossein Ali A. Amiri	Univ. of Stavanger	2014
33.	PhD Moustafa Dernaika	Univ. of Stavanger	2014

34. PhD Behruz Shaker Shiran	Univ. of Bergen	2014
35. PhD Marcel Nascimento de Moura	Univ. of Oslo	2016
36. PhD Nikhil Bagalkot	Univ. of Stavanger	2019
37. PhD Mohan Sharma	Univ. of Stavanger	2019
38. PhD Rocky Abhishek	Univ. of Stavanger	2019
39. PhD Mario Helder Lopes da Silva	Univ. of Stavanger	2021

Monographs

- A textbook for NTNU-students on reservoir parameters and laboratory measurements was written nearly twenty years ago by PostDoc Manoochehr Abtahi and myself and published by NTNU.
- The textbook: “Core analysis of reservoir rock systems” by Hassan Karimaie, Antje van der Net and Ole Torsæter, was published by Taylor and Francis in 2024
- I have co-edited several books lately on petroleum engineering and energy transition (see publication list).

Granted patents

Torleif Holt and Ole Torsæter: Norwegian patent: NO 330502, «Anordning og framgangsmåte for nedihulls separasjon av olje og vann i en produksjonsbrønn».

Lortz, W., Fischer, U., Bergmann, G., Torsæter, O. Aurand, K.R.: European Patent EP 3368633 B1 «Method of obtaining mineral oil using a silica fluid” 27 May, 2020, European Patent Bulletin 2020/22

Invited presentations to conferences, universities and companies since 2013

- International Student Energy Summit, Trondheim, June 12-14, 2013. Invited Moderator; Energy on New Frontiers. Game-Changing Technologies in The Oil and Gas Industry.
- Statoil research Summit, Invited speaker, Nov. 2013
- Norwegian Petroleum Society, Invited speaker; “EOR in Norway”, 2013
- Invited speaker to The seminar on Norway-Brazil R & D cooperation: “Nanofluids for EOR”, Nov. 25-26, 2013.
- Danish Petroleum Society and University of Ålborg; “EOR research in Norway” (2014)
- Invited speaker to Norwegian Academy of Science and Letters: “Enhanced oil recovery – some experimental results on microbial methods and nanofluids for EOR”, 30.09, 2014.
- Invited speaker: Singapore Petroleum Cluster; “Nanofluids for EOR”, 2014.
- Invited speaker: Total Research Center, Pau, France, March 2016
- Invited speaker: Solvay Research Center, Bordeaux, France, March 2016
- Invited speaker: National University of Singapore, Singapore, Feb. 17, 2017
- Invited speaker: Norwegian Petroleum Directorate, Nov. 23, 2020

Organization of international conferences

- Member of the organizing committee; 2006 Society of Core Analysts Conference, Trondheim.
- Member of the technical committee of all the yearly SCA-conferences in the period 2002-2021.
- Member of the organizing committee; 2018 Society of Core Analysts Conference, Trondheim.

Prizes/Awards/Academy memberships

- Darcy Technical Achievement Award (2014) from the Society of Core Analysts.
- Member of the Norwegian Academy of Science and Technology (2014)
- Distinguished Achievement Award for Petroleum Engineering Faculty, North Sea Region, 2016. From Society of Petroleum Engineers (SPE).
- Management and Information Award, North Sea Region, 2018. From Society of Petroleum Engineers (SPE).

Master students and PhD graduates

Main supervisor of 25 PhD students and co-supervised 8. Have supervised about 200 sivilingeniør- and Master-candidates in reservoir engineering. The PhD - and Master- grade receivers are working in the oil industry in Norway and internationally.

International teaching last ten years: -Visiting professor at Texas A & M, USA, 2008 – 2009. Earlier international teaching: New Mexico Tech, USA, (visiting professor 1991-92), Luleå University, Sweden, Chalmers University, Sweden, Petroleum-Gas University of Ploiești, Romania, and Archangel University, Russia, (1995-2001).

Research grants

My PhD - students have mainly been financed through single industry company projects. The main companies in this category have been Statoil (now Equinor), Norsk Hydro, Shell and ConocoPhillips. The other financing source has been consortium projects topped up with research council money. Lately I have also financed some PhD-candidates from strategic research grants from NTNU. From August 2017-October 2019 I was a Principal Investigator in the Norwegian Center of Excellence on Porous Media at NTNU and University of Oslo (PoreLab) www.PoreLab.no. I am now Research associate with PoreLab.

Management experience

Department head of Department of Petroleum Engineering and Applied Geophysics, NTNU, (1993-1996), Member of the VISTA EOR program committee (2012-2019), Member of the Board of the Petroleum Research School of Norway (2012 – 2021), Member of the group of leader of PoreLab, Norwegian Centre of Excellence (Aug.2017 – Oct 2019), Member of the board of several companies in the last 20 years (SINTEF Petroleum, ResLab (Reservoir Laboratories), GeoProbing Technology, Deep Sea Anchors). SPE Faculty Advisor for the NTNU student chapter 2000-2020.

Publication list

1. Hjelmeland, O., Torsæter, O.: "Wettability, the key to proper laboratory waterflooding experiments". Proceedings International Energy Agency Workshop on Enhanced Oil Recovery, Bartlesville, OK, April 1980, pp 1-23.
2. Torsæter, O.: "An Experimental Study of Water Imbibition in Chalk from the Ekofisk Field" paper SPE 12688 presented at SPE/DOE Conference on EOR, Tulsa, OK, 16 – 18 April 1984.

3. Torsæter, O., Silseth, J.K.: "The Effects of Sample Shape and Boundary Conditions on Capillary Imbibition", North Sea Chalk Symposium, Stavanger, May 21-22, 1985, vol. 1.
4. Skovbro, B., Risnes, R., Baldwin, R., Torsæter, O.: "Chalk Reservoir Research Program". Norwegian Petroleum Directorate and Danish Energy Agency, Stavanger, Sept. 1986.
5. Torsæter, O., Kleppe, J., van Golf-Racht, T.: "Multi-phase flow in fractured reservoirs" in Bear, J., Corapcioglu M.Y.: (Eds): "*Advances in Transport Phenomena in Porous Media*", NATO ASI Series, Martinus Nijhoff Publishers, Dordrecht/Boston/Lancaster, 1987, pp. 553-629.
6. Torsæter, O., Beldring, B.: "The Effect of Freezing of Slightly Consolidated Cores", *SPE Formation Evaluation*, pp. 357-360, Sept. 1987.
7. Torsæter, O., Munkvold, F.R.: "Automated Centrifuge for Measurement of Capillary Pressure and Relative Permeability" 4th European Symposium on EOR, Hamburg, 999-1006, Oct. 1987.
8. Kleppe, J., Berg, E., Buller, A.T., Hjelmeland, O., Torsæter, O. (eds): Proceedings of "*North Sea Oil and Gas Reservoirs*", Graham and Trotman Inc., London, 1987.
9. Torsæter, O., Munkvold, F.R.: "Automated Centrifuge for Measurement of Capillary Pressure and Relative Permeability". Transactions, Eleventh European Formation Evaluation Symposium, SPWLA, Oslo, Sept. 1988.
10. Torsæter, O.: "A Comparative Study of Wettability Test Methods Based on Experimental Results From North Sea Reservoir Rocks" paper SPE 18281 presented at the 63rd Annual Technical Conference and Exhibition of SPE, Houston, TX, Oct. 1988.
11. Øyno, L., Torsæter, O.: "Experimental studies of spontaneous imbibition", SPE-Forum Series in Europe, Modelling of Naturally Fractured Reservoirs. Grindelwald, Switzerland, Sept. 10-15, 1989.
12. Torsæter, O., Øyno, L., Kjønsvik, D.: "Experimental and numerical studies of the imbibition mechanisms in fractured reservoirs". ASCOPE'89, The 4th Asean Council on Petroleum Conference and Exhibition, Singapore, Nov. 14-16, 1989.
13. Øyno, L., Torsæter, O.: "Experimental and Numerical Studies of the Imbibition Mechanism", Third North Sea Chalk Symposium, Copenhagen, June 11-12, 1990.
14. Buller, A.T., Berg, E., Hjelmeland, O., Kleppe, J., Torsæter, O. and Aasen, J.O. (Editors): "*North Sea Oil and Gas Reservoirs-II*" Proceedings of the 2nd North Sea Oil and Gas Reservoirs Conference, Graham and Trotman, London, 1990.
15. Torsæter, O.: "Review of the SPOR-gas program". Seminar on State R & D Programme for Improved Oil Recovery and Reservoir Technology, Stavanger, October 3-4, 1990.
16. Munkvold, F.R. and Torsæter, O.: "Relative Permeability from Centrifuge and Unsteady State Experiments", paper SPE 21103 presented at the SPE Latin American Petroleum Engineering Conference in Rio de Janeiro, Oct. 14-19, 1990.
17. Torsæter, O.: "Rock Properties and Fluid-Rock Interactions" in Skjæveland S.M. and Kleppe J. (eds): "*Recent Advances in Improved Oil Recovery Methods for North Sea Sandstone Reservoirs*". Norwegian Petroleum Directorate, Stavanger 1992.
18. Morrow N.R., Torsæter, O.: "Practical Approaches to Systematic Study of Reservoir Wettability and Its Effect on Oil Recovery", 8th Wyoming EOR Symposium, May 20-21, 1992, Casper, Wyoming.
19. Ringheim, M., Hjelmeland, O., Torsæter, O.: "Experimental Studies of Imbibition and Wettability of Three Selected North Sea Chalk Reservoirs", presented at 4th North Sea Chalk Symposium, Sept. 21-22, 1992, Deauville, France.
20. Xian-min Zhou, Torsæter, O., Xina Xie and Morrow, N.R.: "The Effect of Crude-Oil Aging Time and Temperature on the Rate of Water Imbibition and Long-Term Recovery by Imbibition", SPE paper 26674 presented at 68th Annual Technical Conference and Exhibition of the SPE, Houston, Texas, Oct. 3-6, 1993.
21. Aasen, J.O., Berg, E., Buller, A.T., Hjelmeland, O., Holt, R.M., Kleppe, J. and Torsæter, O. (Editors): "*North Sea Oil and Gas Reservoirs-III*" Proceedings of the 3rd North Sea Oil and Gas Reservoirs Conference, Kluwer Academic Publishers, London, 1994.
22. Hjelmeland, O. and Torsæter, O.: *Coring and Core Analysis*, Reservoir Laboratories AS, Trondheim, 1994.
23. Torsæter, O. and Abtahi, M.: "*Experimental Reservoir Engineering. Laboratory Workbook*", Department of Petroleum Engineering and Applied Geophysics. Norwegian Institute of Technology, Trondheim, Sept. 1994.

24. Torsæter, O.:"Determination of Positive Imbibition Capillary Pressure Curves by Centrifuging" , The 3rd International Symposium on Evaluation of Reservoir Wettability and Its Effect on Oil Recovery", Laramie, Wy., Sept.21-23,1994.
25. Senneset, K.,Torsæter,O., Lone, S. and Wiig,T.: "Two-Phase Flow and Permeability of Oil in Porous Media". *Geoenvironment 2000*, ASCE-Special Publication, No.46, New Orleans 1995, p.389-405.
26. Munkerd, P.K. and Torsæter,O.:"The Effect of Interfacial Tension on Relative Permeability in Gas Condensate Systems", 8th European Symposium on Improved Oil Recovery, Vienna, May 15-17, 1995.
27. Bolås,T. and Torsæter,O.:"Theoretical and Experimental Study of the Positive Imbibition Capillary Pressure Curves Obtained from Centrifuge Data", International Symposium of the Society of Core Analysts, San Francisco, Sept. 12-14,1995.
28. Xian-min Zhou, Ole Torsæter, Xina Xie and N.R.Morrow:"The Effect of Crude-Oil Aging Time and Temperature on the Rate of Water Imbibition and Long-Term Recovery by Imbibition", *SPE Formation Evaluation*, Vol.10, Number 4, Dec.1995, 259 -265.
29. Holt,R.M., Fjær,E., Torsæter,O. and Bakke,S.: "Petrophysical Laboratory Measurements for Basin and Reservoir Evaluation", *Marine and Petroleum Geology* , Vol.13, No.4, pp.383-391. 1996.
30. Alveskog,P.,Torsæter,O. and Holt,T.: "The effect of surfactant concentration on the Amott wettability index and residual oil saturation" presented at The 4th International Symposium of Reservoir Wettability and its Effect on Oil Recovery" ,September 11-13, 1996, Montpellier, France.
31. Torsæter, O.:"Determination of positive imbibition capillary pressure curves by centrifuging", in *Evaluation of Reservoir Wettability and Its Effect on Oil Recovery*, Editor: N.R.Morrow, Laramie, Wy.,USA,1996.
32. Alveskog, P., Torsæter,O. and Holt,T.: «The effect of surfactant concentration on the Amott wettability index and residual oil saturation», presented at the 3rd Nordic Symposium on Petrophysics, January 23-24, 1997, Gothenburg, Sweden.
33. Torsæter, O., Bøe, R. and Holt, T.: «An Experimental Study of the Relationship Between Rock Surface Properties, Wettability and Oil Production Characteristics», presented at the 1997 International Symposium of the Society of Core Analysts, Calgary, Alberta, Canada, Sept. 7-10,1997
34. Alveskog,P., Holt,T. and Torsæter,O.:"The effect of surfactant concentration on the Amott wettability index and residual oil saturation" *Journal of Petroleum Science & Engineering*, Vol.20 (1998) 247-252.
35. Yu, S., Akervoll, I. and Torsæter, O.: «Investigation of Wettability Behavior and Its Effect on Final Oil Recovery by History Matching», presented at the 5th International Symposium on Evaluation of Reservoir Wettability and Its Effect on Oil Recovery, Trondheim, Norway, 22-24 June, 1998.
36. Tweheyo, M.T., Holt, T. and Torsæter, O.: «An Experimental Study of the Relationship between Wettability and Oil Production Characteristics», presented at the 5th International Symposium on Evaluation of Reservoir Wettability and Its Effect on Oil Recovery, Trondheim, Norway, 22-24 June, 1998.
37. Torsæter, O., Semere, M. and Yu, S.: "Effect of Wettability on Oil Production Characteristics in Fractured Reservoirs" Workshop on Characterization and Interpretation of Fluid Flow in Fractured Reservoirs, Society of Core Analysts, Hamburg , October 13-14, 1998.
38. Abtahi, M. and Torsæter, O.:"Experimental and Numerical Upscaling of Two-Phase Flow in Homogeneous and Heterogeneous Porous Media", paper SPE 50572 presented at the 1998 SPE European Petroleum Conference in The Hague, The Netherlands, 20-22 October, 1998.
39. Yu, S., Akervoll, I., Torsæter, O., Stensen, J.A., Kleppe, J. and Midtlyng, S.H.: "History Matching Gas Injection Processes with In-Situ Saturation Measurements and Process Hysteresis", paper SPE 4884 presented at the Sixth International Oil & Gas Conference and Exhibition in China, Beijing, China, 2-6 November 1998.
40. Ding, M., Torsæter, O. and Jelmert, T.A.: "Developments in centrifuge measurements of relative permeability and capillary pressure hysteresis", presented at the 1999 International Symposium of the Society of Core Analysts, Golden, Colorado, 1-4 August 1999.
41. Jelmert, T.A., Selseng, H. and Torsæter, O.:"Effect of micro-fractures on stress-sensitivity", presented at the 1999 Annual Conference of the International Association for Mathematical Geology, Trondheim, 6-11 August 1999.
42. Jelmert, T.A., Selseng,H. and Torsæter,O.:"Use of core- and well test analysis to improve models for stress-sensitive reservoirs", presented at the 10th European Symposium on Improved Oil Recovery, Brighton, UK, 18-20 August 1999.

43. Akervold, I., Talukdar, M.S., Midtlyng, S.H., Torsæter, O. and Stensen, J.Aa.: "History Matching WAG Injection Experiments Performed under CT Surveillance to Obtain Relative Permeability and Capillary Pressure", presented at the 20th Annual International Energy Agency Workshop and Symposium, Collaborative Project on Enhanced Oil Recovery, Paris, 21-24 September 1999.
44. Akervold, I., Talukdar, M.S., Midtlyng, S.H., Stensen, J.Aa. and Torsæter, O.: "WAG Injection Experiments With In-Situ Saturation Measurements at Reservoir Conditions and Simulations", paper SPE 59323 presented at the 2000 SPE/DOE Improved Oil Recovery Symposium held in Tulsa, Oklahoma, 3-5 April 2000.
45. Tweheyo, M.T., Holt, T. and Torsæter, O.: «An Experimental Study of the Relationship between Wettability and Oil Production Characteristics», *Journal of Petroleum Science & Engineering*, Volume 24, p.179-188, December 1999.
46. Talukdar, S., Banu, H., Torsæter, O. and Kleppe, J.: "Applicability and Rate Sensitivity of Several Upscaling Techniques in Fractured Reservoir Simulation" published at the 2000 SPE International Petroleum Conference and Exhibition in Mexico, Villahermosa 1-3 February 2000.
47. Jelmert, T.A., Selseng, H. and Torsæter, O.: "Average Permeability Functions of Cores with Stress-Sensitivity", *Oil and Gas Journal*, Volume 98.24, p. 52-62, June 12, 2000.
48. Talukdar, S., Banu, H., Torsæter, O. and Kleppe, J.: "Introducing up-scaling technique in fractured reservoir simulation", *Nordic Petroleum Series*, Copenhagen, May 2000.
49. Sarwaruddin, M., Torsæter, O. and Skauge A.: "Comparing different methods for capillary pressure measurements", presented at the 2000 International Symposium of the Society of Core Analysts, Abu Dhabi, Oct, 18-22, 2000.
50. Talukdar, M.S. and Torsæter, O.: "Pore-Scale Studies of Mobilization and Recovery of Oil by Waterflooding, presented at the 2000 International Symposium of the Society of Core Analysts, Abu Dhabi, Oct, 18-22, 2000.
51. Kowalewski, E., Holt, T. and Torsæter, O.: "Wettability alterations due to an oil soluble additive", presented at the 6th International Symposium on Reservoir Wettability and its Effect on Oil Recovery, Socorro, New Mexico, USA, September 27-28, 2000.
52. Talukdar, S. and Torsæter, O.: "Reconstruction of Chalk Media from 2D SEM Images Using A Simulated Annealing Technique", *DiaLog*, Oct. 2000.
53. Talukdar, M.S., Banu, H.A., Torsæter, O. and Kleppe, J.: "Introducing Up-Scaling Techniques in Fractured Reservoir Simulation," *Nordic Petroleum Technology Series: V*, p 189 - 218, Ås, Norway, May 2001.
54. Talukdar, M.S., Ioannidis, M., J. Howard, J. and Torsæter, O.: "Network Modeling as a Tool for Petrophysical Measurements in Chalk" Paper presented at the Sixth Nordic Symposium on Petrophysics, Trondheim, May 15-16, 2001.
55. Sarwaruddin, M., Skauge, A. and Torsæter, O.: "Modelling of Capillary Pressure for Heterogeneous Reservoirs by a Modified J-Function", paper SCA 2001-35 presented at the 2001 International Symposium of the Society of Core Analysts, Edinburgh, U.K., 17-19 September, 2001.
56. Sarwaruddin, M., Skauge, A. and Torsæter, O.: "Fluid Distribution in Transition Zones", paper SCA 2001-62 presented at the 2001 International Symposium of the Society of Core Analysts, Edinburgh, U.K., 17-19 September, 2001.
57. Tweheyo, M.T., Talukdar, M.S. and Torsæter, O.: "Hysteresis Effects in Capillary Pressure, Relative Permeability and Resistivity Index of North Sea Chalk," paper SCA 2001-65 presented at the International Symposium of the Society of Core Analysts, Edinburgh, 17-19 September (2001).
58. Tweheyo, M.T., Talukdar, M.S., Torsæter, O. and Vafaeinezhad, Y.: "Improvement of Experimental Relative Permeability of North Sea Chalk Through Simulation," presented at the 11th Oil, Gas and Petrochemical Congress & Exhibition, Tehran, Iran, 29-31 October (2001).
59. Kowalewski, E., Holt, T. and Torsæter, O.: "Wettability alterations due to an oil soluble additive", *Journal of Petroleum Science and Engineering* 33 (2002), 19-28.
60. Talukdar, M.S. and Torsæter, O.: "Reconstruction of Chalk Pore Networks from 2D Back Scatter Electron Micrographs Using A Simulated Annealing Technique," *Journal of Petroleum Science and Engineering* 33 (2002), 265-282.
61. Talukdar, M.S., Torsæter, O., Ioannidis, M.A. and Howard, J.J.: "Stochastic Reconstruction, 3D Characterization and Network Modeling of Chalk," *Journal of Petroleum Science and Engineering*, 35 (2002) 1 - 21.

62. Talukdar, M.S., Torsæter, O., Ioannidis, M.A. and Howard, J.J.: "Stochastic Reconstruction of Chalk from 2D Images," *Transport in Porous Media*, 48: 101 – 123, 2002.
63. Talukdar, M.S., Torsæter, O. and Ioannidis, M.A.: "Stochastic Reconstruction of Particulate Media from 2D Images", *Journal of Colloid and Interface Science*, 248, 419-428 (2002).
64. Kowalewski, E., Boassen, T. and Torsæter, O.: " Wettability alterations due to aging in crude oil; wettability and Cryo-ESEM analyses", presented at the 7th International Symposium on Reservoir Wettability, 12-15 March 2002, Freycinet, Tasmania, Australia.
65. Tweheyo, M.T. and Torsæter, O.: "Impact of Changing Wettability on Oil Recovery by Spontaneous Imbibition in Sandstone and Chalk Samples" Paper presented at the 7th Nordic Symposium on Petrophysics, Akureyri, Iceland, 14-16 August 2002.
66. Tweheyo, M.T., Akervoll, I., Holt, T. and Torsæter, O.: "Simulations of Oil-Wet Membrane Wells for Water-Free Oil Production and Downhole Separation", Paper SPE81189, SPE Latin American Petroleum Engineering Conference, Port of Spain, Trinidad, 27 – 30 April 2003.
67. Tweheyo, M.T. and Torsæter, O.: "Simulating the performance of wells with hydrophobic membranes for reservoirs with different wettabilities", paper presented at the 1st International Conference and Exhibition ; Recent advances and challenges in oil recovery, Moscow, May 19-23, 2003.
68. Stovas, A., Landrø, M., Torsæter, O., Jensen, J.I. and Kleppe, J.: "An integrated study of reservoir fluid flow across faults by laboratory experiments, 4D seismics and reservoir simulation", paper presented at the 1st International Conference and Exhibition ; Recent advances and challenges in oil recovery, Moscow, May 19-23, 2003
69. Stovas, A., Landrø, M., Torsæter, O., Jensen, J.I. and Kleppe, J.: "An integrated study of reservoir fluid flow across faults by laboratory experiments, 4D seismics and reservoir simulation", presented at EAGE 65th Conference & Exhibition, Stavanger, Norway, 2-5 June 2003.
70. Tweheyo, M.T., Knudsen, E., Torsæter, O. and Ringen J.K.: "Sensitivity Studies of Fluid Flow across Water-Saturated Faults with High Entry Pressure" SCA 2003-49, Presented at the Int. Symposium of the Society of Core Analysts, Pau, France, 21-24 September, 2003.
71. Kowalewski, E., Boassen, T. and Torsæter, O.: "Wettability alterations due to aging in crude oil; wettability and Cryo-ESEM analyses", *Journal of Petroleum Science and Engineering*, 39 (2003) 377-388.
72. Karimaie, H., Torsæter, O., Dadashpour, M., Esfahani, M.R. and Hashemi, S.M.: "Experimental Investigation on the Effect of Wettability on Oil Recovery During Water Displacement", Paper presented at the 8th International Symposium on Reservoir Wettability, 16-18 May 2004, Houston, Texas.
73. Lackner, A.S. and Torsæter, O.: "Effects of Pressure and Wettability on Residual Phase Saturation in Sandstone Rock", Paper presented at the 8th International Symposium on Reservoir Wettability, 16-18 May 2004, Houston, Texas.
74. Kowalewski, E., Rueslåtten, I., Steen, K.H., Bødtker, G. and Torsæter, O.: "Microbial Improved Oil Recovery-Bacterial Induced Wettability and Interfacial Tension Effects on Oil Production", Paper presented at the 8th International Symposium on Reservoir Wettability, 16-18 May 2004, Houston, Texas.
75. Talukdar, M.S., Torsæter, O. and Howard, J.J.: " Stochastic Reconstruction of Chalk Samples Containing Vuggy Porosity Using a Conditional Simulated Annealing Technique" *Transport in Porous Media*, 57: 1-15, 2004.
76. Darvish, G.R., Lindeberg, E., Kleppe, J. and Torsæter, O.: "Numerical Simulations for Designing Oil/CO₂ Gravity Drainage Laboratory Experiments of a Naturally Fractured Reservoir", Paper 320 presented at the 7th International Conference on Greenhouse Gas Control Technologies, Vancouver, Canada, 5-9 September, 2004.
77. Karimaie, H., Hashemi, S.M., Esfahani, M.R., Kazemzadeh, E. and Torsæter, O.: "Wettability Alteration And Its Effect On Oil Recovery During Spontaneous Water Imbibition And Waterflooding", paper SCA 2004-40 presented at the 2004 International Symposium of the Society of Core Analysts, Abu Dhabi, 5-9 October 2004.
78. Karimaie, H., Samiei, M., Pour Mohammadi, S. and Torsæter, O.: "1D-simulation of countercurrent imbibition process in a water wet matrix block" paper SCA 2004-52 presented at the 2004 International Symposium of the Society of Core Analysts, Abu Dhabi, 5-9 October 2004.

79. Lackner, A.S. and Torsæter, O.: “Improved Procedure for Calculating Unsteady-state Relative Permeability”, presented at the 13th European Symposium on Improved Oil Recovery, Budapest, Hungary 25 - 27 April 2005.
80. Lackner, A.S., Haaskjold, G. and Torsæter, O.: “Selecting Energy Levels For Three-Phase Saturation Measurements,” paper SPE 95098, presented at the 2005 SPE Latin American and Caribbean Petroleum Engineering Conference, Rio de Janeiro, Brazil, 20-23 June, 2005.
81. Lackner, A.S. and Torsæter, O.: “Phase Pressure Measurements: Simultaneous and Direct Derivation of Relative Permeability and Capillary Pressure,” paper SCA 2005-05 presented at the International Symposium of the SCA, Toronto, Canada, August 21-25, 2005.
82. Twheyo, M.T., Lackner, A.S., Andersen, G.K., Ringen, J.K. and Torsæter, O.: “Pore Characterisation and Scaling Mini-Permeability and CT-Scan Porosity of Carbonate Cores”, paper SCA2005-72 presented at the International Symposium of the SCA, Toronto, 2005, Canada, August 21-25, 2005.
83. Crescente, C., Rasmussen, K., Torsæter, O., Strøm, A., and Kowalewski, E.:” An Experimental Study of Microbial Improved Oil Recovery by Using Rhodococcus sp.094”, paper SCA2005-45 presented at the International Symposium of the SCA, Toronto, 2005, Canada, August 21-25, 2005.
84. Karimaie, H., Torsæter, O. and Esfahani, M.R.:” Oil Recovery by Water Imbibition in Asmari Fractured Rock”, paper SCA2005-47 presented at the International Symposium of the SCA, Toronto, 2005, Canada, August 21-25, 2005.
85. Kotlar, H.K., Haavind, F., Springer, M., Bekkelund, S.S. and Torsæter, O.: “ A new concept of chemical sand consolidation: From idea and laboratory qualification to field application”, paper SPE 95723 presented at the 2005 SPE Annual Technical Conference and Exhibition , Dallas, Texas, USA, October 9-12, 2005.
86. Kotlar, H.K., Haavind, F., Springer, M., Bekkelund, S.S., Moen, A. and Torsæter, O.:” Encouraging results with a new environmentally friendly, oil-soluble chemical for sand consolidation. From laboratory experiments to field application”, paper SPE 98333 presented at the 2006 SPE International Symposium and Exhibition on Formation Damage Control, Lafayette, Louisiana, USA, February 15-17, 2006.
87. Crescente, C., Torsæter, O., Hultmann, L., Strøm, A., Rasmussen, K. and Kowalewski, E.:” An experimental study of driving mechanisms in MIOR processes by using Rhodococcus sp. 094”, paper SPE10033 presented at the 2006 SPE/DOE Symposium on Improved Oil Recovery, Tulsa, Oklahoma, USA, April 22-26, 2006.
88. Lackner, A.S. and Torsæter, O.: “Effects of Pressure and Wettability on Residual Phase Saturation in Sandstone Rock,” *Journal of Petroleum Science and Engineering*, 52 (2006) 237-243.
89. Karimaie, H., Torsæter, O., Esfahani, M.R., Dadashpour, M. and Hashemi, S.M.: “Experimental investigation of oil recovery during water imbibition”, *Journal of Petroleum Science and Engineering*, 52 (2006) 297-304.
90. Kowalewski, E., Rueslåtten, I., Steen, K.H., Bodtker, G., Torsæter, O.: “Microbial improved oil recovery-bacterial induced wettability and interfacial tension effects on oil production”, *Journal of Petroleum Science and Engineering*, 52 (2006) 275-286.
91. Kotlar, H.K., Selle, O., Torsæter, O.: ”Enhanced Oil Recovery by COMB-Flow: Polymer Floods Revitalized”, paper SPE 106421 presented at 2007 SPE International Symposium on Oilfield Chemistry, Houston, Texas, USA, February 28- March 2, 2007.
92. Karimaie, H., Darvish, G.R., Lindeberg, E. and Torsæter, O.:”Experimental Investigation of Secondary and Tertiary Gas Injection in Fractured Carbonate Rock”, SPE107187 presented at the SPE Europec/EAGE Annual Conference and Exhibition, London, United Kingdom, 11-14 June 2007.
93. Karimaie, H. and Torsæter, O.:”Effect of injection rate, initial water saturation and gravity on water injection in slightly water-wet fractured porous media”, *Journal of Petroleum Science and Engineering*, 58 (2007) 293-308.
94. Crescente, C., Rekdal, A., Abraiz, A., Torsæter, O., Hultmann, A., Strøm, A. and Rasmussen, K.: ”A Pore Level Study of MIOR Displacement Mechanisms in Glass Micromodels Using Rhodococcus sp.094”, paper SPE 110134 presented at the 16th Symposium on Improved Oil Recovery, Tulsa, Oklahoma, USA, 19-23 April 2008.
95. Karimaie, H. and Torsæter, O.: ”Low IFT Gas-Oil Gravity Drainage in Fractured Carbonate Porous Media”, paper SPE 113601 presented at the 2008 SPE Europec/EAGE Annual Conference and Exhibition, Rome, Italy, 9-12 June 2008.

96. Karimaie, H., Darvish, G.R., Lindeberg, E. and Torsæter, O.: “Secondary and tertiary gas injection in fractured carbonate rock: Experimental study”, *Journal of Petroleum Science and Engineering* 62 (2008) 45-51.
97. Shabani Afrapoli, M., Crescente, C. and Torsæter, O.: “The effect of bacterial solution on the wettability index and residual oil saturation in sandstone”, presented at the 10th International Symposium on Wettability and Its Effect on Oil Recovery, Abu Dhabi, UAE, October 26-28, 2008.
98. Karimaie, H. and Torsæter, O.: “Investigation of Oil Recovery by Gas-Oil Gravity Drainage in Fractured Carbonate Reservoirs – Water Wet and Mixed Wet Systems”, presented at the 10th International Symposium on Wettability and Its Effect on Oil Recovery, Abu Dhabi, UAE, October 26-28, 2008.
99. Karimaie, H. and Torsæter, O.: “Effect of Interfacial Tension on Relative Permeability Curves in Gas-Oil Gravity Drainage”, presented at the 10th International Symposium on Wettability and Its Effect on Oil Recovery, Abu Dhabi, UAE, October 26-28, 2008.
100. Shabani Afrapoli, M., Ostvar, S., Crescente, C. and Torsæter, O.: “MIOR Displacement Mechanisms in Glass Micromodel”, paper presented at 15th European Symposium on Improved Oil Recovery, Paris, France, April 27-29, 2009.
101. Shabani Afrapoli, M., Torsæter, O. and Crescente, C.: “Possible mechanisms in MIOR processes”, paper presented at the 1st International Petroleum Conference (EAGE Shiraz 2009), Shiraz, Iran, May 4-6, 2009
102. Crescente, C., Shabani Afrapoli, M., Johnstad, T., Rasmussen, K., Torsæter, O., Hultmann, L., Strøm, A. and Kowalewski, E.: “Effects of Wettability and Salinity on Microbial Enhanced Oil Recovery with *Rhodococcus* sp.094”, presented at the International Symposium of the Society of Core Analysts in Noordwijk aan Zee, The Netherlands, September 27-30, 2009.
103. Shabani Afrapoli M., Alipour S. and Torsæter O.: “Improved measurement technique for studying the effect of bacterial solution on IFT and contact angles”, presented at the International Symposium of the Society of Core Analysts in Noordwijk aan Zee, The Netherlands, September 27-30, 2009.
104. Shabani Afrapoli, M., Crescente, C., Alipour, S. and Torsæter, O.: « The effect of bacterial solution on the wettability index and residual oil saturation in sandstone », *Journal of Petroleum Science and Engineering* 69 (2009) 255-260.
105. Karimaie, H., Torsæter, O.: “Low IFT gas-oil gravity drainage in fractured carbonate porous media”, *Journal of Petroleum Science and Engineering* 70 (2010) 67-73.
106. Ashraf, A., Hadia, N.J. and Torsæter, O.: “Laboratory investigation of low salinity waterflooding as secondary recovery process: Effect of wettability”. Paper SPE129012 presented at the SPE Oil and Gas India Conference and Exhibition held in Mumbai, India, 20-22 January 2010.
107. Shabani Afrapoli, M., Alipour, S. and Torsæter, O.: “Effect of wettability and interfacial tension on microbial improved oil recovery with *Rhodococcus* sp 094”, paper presented at the 2010 SPE Improved Oil Recovery Symposium held in Tulsa, Oklahoma, USA, 24-28 April 2010.
108. Farokhpour, R., Torsæter, O., Baghbanbashi, T., Mørk, A. and Lindeberg, E.: “Experimental and numerical simulation of CO₂ injection into Upper-Triassic sandstones in Svalbard, Norway”, presented at the SPE International Conference on CO₂ Capture, Storage, and Utilization to be held in New Orleans, Louisiana, USA, 10-12 November 2010.
109. Farokhpour, R., Baghbanbashi, T., Torsæter, O., Lindeberg, E. and Mørk, A. :” Experimental and simulation analysis of CO₂ storage in tight and fractured sandstone under different stress conditions” paper SPE 143589 presented at the SPE EUROPEC/EAGE Annual Conference and Exhibition held in Vienna, Austria, 23-26 May 2011.
110. Polak, S., Cinar, Y., Holt, T. and Torsæter, O.: “An experimental investigation of the balance between capillary, viscous and gravitational forces during CO₂ injection into saline aquifers”, *Energy Procedia* 4 (2011) 4395–4402
111. Afrapoli, Mehdi Shabani; Nikooee, E.; Valipour Shokouhi, Samad; Torsæter, Ole.: Experimental and analytical study of microscopic displacement mechanisms of MIOR in porous media. I: SPE Americas E & P Health, Safety, Security, and Environmental Conference. Society of Petroleum Engineers 2011 ISBN 978-1-55563-328-8. s. –
112. Afrapoli, Mehdi Shabani; Valipour Shokouhi, Samad; Torsæter, Ole.: “Fundamental Study of Pore Scale Mechanisms in Microbial Improved Oil Recovery Processes”. *Transport in Porous Media*, 2011 ;Volum 90.(3) s. 949-964

113. Afrapoli, Mehdi Shabani; Li, Shidong; Alipour, Samaneh; Torsæter, Ole: “Experimental and Numerical Study of Microbial Improved Oil Recovery in a Pore Scale Model by Using COMSOL”. COMSOL Conference; 2011-10-26 - 2011-10-28
114. Hadia, N.j., Torsæter, O. and Tweheyo, M. T.: “Laboratory investigation of wettability alteration: Impact on Low salinity waterflooding performance”, paper presented at the 16th European Symposium on Improved Oil Recovery, Cambridge, UK, 12-14 April 2011.
115. Ashrafi, M., Souraki, Y., Karimaie, H., and Torsæter, O.: “Experimental and Numerical Study of Steam Flooding in Fractured Porous Media”, paper SPE 144462 presented at the SPE Western Regional Meeting held in Anchorage, Alaska, USA, 7-11 May, 2011.
116. Souraki, Y., Ashrafi, M., Karimaie, H., and Torsæter, O.: “Experimental Investigation and Numerical Simulation of Steamflooding in Heavy Oil Fractured Reservoir”, paper SPE 144552 presented at the SPE Western Regional Meeting held in Anchorage, Alaska, USA, 7-11 May, 2011.
117. Ashrafi, M., Souraki, Y., Karimaie, H., Torsæter, O. and Kleppe, J.: “Simulation Study of 2-D SAGD Experiment and Sensitivity Analysis of Laboratory parameters”, paper SPE 144582 presented at the SPE Western Regional Meeting held in Anchorage, Alaska, USA, 7-11 May, 2011.
118. Ashrafi, M., Souraki, Y., Karimaie, H., Torsæter, O. and Kleppe, J.: “Numerical Simulation Study of SAGD Experiment and Investigating Possibility of Solvent Co-Injection”, paper SPE 145013-MS presented at SPE EOR Conference, Kuala Lumpur, Malaysia, 19-21 July 2011.
119. Ashrafi, M., Souraki, Y., Veraas, T.J., Karimaie, H., and Torsæter, O.: “Experimental and Numerical Investigation of Steam Flooding in Heterogeneous Porous Media Containing Heavy Oil”, Paper SPE 144168-MS presented at SPE Asia Pacific Oil and Gas Conference and Exhibition, Jakarta, Indonesia, 20-22 September 2011.
120. Hadia, N., Heldal Lehne, H., Kumar, K.G., Selboe, K., Stensen, J.Å., and Torsæter, O.: “Laboratory Investigation of Low Salinity Waterflooding on Reservoir Rock Samples from the Frøy Field”, Paper SPE 141114-MS presented at SPE Middle East Oil and Gas Show and Conference, Manama, Bahrain, 25-28 September 2011.
121. Ashrafi, M., Souraki, Y., Karimaie, H., Torsæter, O. and Bjørkvik, B.J.A.: “Experimental PVT Property Analyses for Athabasca Bitumen”, paper CSUG/SPE 147064 presented at the Canadian Unconventional Resources Conference, Calgary, Alberta, Canada, 15-17 November 2011.
122. Afrapoli, Mehdi Shabani; Valipour Shokouhi, Samad; Torsæter, Ole: “Analysis of Microscopic Displacement Mechanisms of a MIOR Process in Porous Media with Different Wettability”. *Transport in Porous Media* 2012 ;Volum 93.(3) s. 705-719
123. Ashrafi, Mohammad; Souraki, Yaser; Torsæter, Ole: “Effect of temperature on Athabasca type heavy oil - water relative permeability curves in glass bead packs”. *Energy and Environment Research* 2012 ;Volum 2.(2) s. 113-126
124. Farokhpoor, Raheleh; Bjørkvik, Bård Johan Arnt; Lindeberg, Erik Gøsta Brun; Torsæter, Ole: “CO₂ wettability behavior during CO₂ sequestration in saline aquifer -An Experimental study on minerals representing sandstone and carbonate”. International Conference of Greenhouse gas Technology, GHGT11; 2012-11-18 - 2012-11-22
125. Farokhpoor, Raheleh; Bjørkvik, Bård Johan Arnt; Lindeberg, Erik Gøsta Brun; Torsæter, Ole: “Effect of CO₂ wettability on sealing efficiency during CO₂ Sequestration in saline aquifer”. EAGE 3rd International Conference on Fault and Top Seal; 2012-10-01 - 2012-10
126. Farokhpoor, Raheleh; Lindeberg, Erik Gøsta Brun; Mørk, Mai Britt Engeness; Torsæter, Ole; Mørk, Atle: “CO₂-Brine Relative Permeability Characteristics of Low Permeable Sandstones in Svalbard”. Paper SCA A042, 2012 International Symposium-Society of Core Analysts; 2012-08-27 - 2012-08-30
127. Hadia, Nanji; Hansen, Tone; Tweheyo, MT; Torsæter, Ole: “Influence of Crude Oil Components on Recovery by High and Low Salinity Waterflooding”. *Energy & Fuels* 2012 ;Volum 26.(7) s. 4328-4335
128. Hendraningrat, Luky; Li, Shidong; Suwarno, Mr.; Torsæter, Ole: “A glass micromodel experimental study of hydrophilic nanoparticles retention for EOR projects”. I: SPE Russian Oil & Gas Exploration & Production Technical Conference and Exhibition held in Moscow, Russia, 16–18 October 2012. Society of Petroleum Engineers 2012 ISBN 978-1-61399-214-2.
129. Hendraningrat, Luky; Suwarno, Mr.; Torsæter, Ole: “Improved Oil Recovery by Nanofluids Flooding: An Experimental Study”. I: SPE Kuwait International Petroleum Conference and Exhibition, Kuwait City, Kuwait, Dec 10 - 12, 2012. Society of Petroleum Engineers 2012 ISBN 978-1-61399-263-0. s. –
130. Jahanbani Ghahfarokhi, Ashkan; Jelmert, Tom Aage; Kleppe, Jon; Ashrafi, Mohammad; Souraki, Yaser; Torsæter, Ole: “Investigation of the applicability of thermal well test analysis in steam injection

- wells for Athabasca heavy oil". I: 74th EAGE Conference & Exhibition incorporating SPE EUROPEC 2012. European Association of Geoscientists and Engineers 2012 ISBN 978-90-73834-27-9. s. –
131. Namani, Mehran; Kleppe, Jon; Høier, Lars; Karimaie, Hassan; Torsæter, Ole: «Analytical Model for Zones Distributions in Non-Horizontal Miscible WAG Injection». *Energy and Environment Research 2012 ;Volume 2.(2) Suppl. 2012 s. 159-167*
 132. Shabani Afrapoli, Mehdi; Crescente, Christian Miguel; Li, Shidong; Torsæter, Ole: "Simulation Study of Displacement Mechanisms in Microbial Improved Oil Recovery Experiments". I: 2012 SPE EOR Conference at Oil and Gas West Asia (OGWA). Society of Petroleum Engineers 2012 ISBN 978-1-61399-199-2. s.
 133. Soroush, Mansour; Wessel-Berg, Dag; Torsæter, Ole; Taheri, Amir; Kleppe, Jon: "Affecting Parameters in Density Driven Convection Mixing in CO₂ Storage in Brine". I: 74th EAGE Conference & Exhibition incorporating SPE EUROPEC 2012. European Association of Geoscientists and Engineers 2012 ISBN 978-90-73834-27-9. s. –
 134. Souraki, Yaser; Ashrafi, Mohammad; Karimaie, Hassan; Torsæter, Ole: «Experimental Analyses of Athabasca Bitumen Properties and Field Scale Numerical Simulation Study of Effective Parameters on SAGD Performance». *Energy and Environment Research 2012 ;Volume 2.(1) s. 140-156*
 135. Taheri, Amir; Torsæter, Ole; Wessel-Berg, Dag; Soroush, Mansour: "Experimental and simulation studies of density-driven-convection mixing in a Hele-Shaw geometry with application for CO₂ sequestration in brine aquifers". I: 74th EAGE Conference & Exhibition incorporating SPE EUROPEC 2012. European Association of Geoscientists and Engineers 2012 ISBN 978-90-73834-27-9. s. –
 136. Taheri, Amir; Wessel-Berg, Dag; Torsæter, Ole; Soroush, Mansour: "The Effects of Anisotropy and Heterogeneity on CO₂ Dissolution in Deep Saline Aquifers". I: 2012 Carbon Management Technology Conference. Society of Petroleum Engineers 2012 ISBN 978-1-61399-179-4. s.
 137. Wu, Jianyang; He, Jianying; Torsæter, Ole; Zhang, Zhiliang: "Effect of Nanoparticles on Oil-Water Flow in a Confined Nanochannel: a Molecular Dynamics Study". I: SPE International Oilfield Nanotechnology Conference, 12-14 June 2012, Noordwijk, The Netherlands. Society of Petroleum Engineers 2012 ISBN 978-1-61399-206-7.
 138. Farokhpour, Raheleh; Bjørkvik, Bård Johan Arnt; Lindeberg, Erik Gøsta Brun; Torsæter, Ole: "Wettability behavior of CO₂ at storage conditions". *International Journal of Greenhouse Gas Control 2013; Volume 12. s.18-25*
 139. Hadia, N.J., Ashraf, A., Tweheyo, M.T. and Torsæter, O.: "Laboratory investigation on effects of initial wettabilities on performance of low salinity waterflooding", *Journal of Petroleum Science and Engineering* 105 (2013), pp. 18-25.
 140. Hendraningrat, Luky; Li, Shidong; Torsæter, Ole: "A coreflood investigation of nanofluid enhanced oil recovery". *Journal of Petroleum Science and Engineering*, 2013 ;Volume 111. s. 128-138
 141. Hendraningrat, Luky; Li, Shidong; Torsæter, Ole: "A Coreflood Investigation of Nanofluid Enhanced Oil Recovery in Low-Medium Permeability Berea Sandstone". I: International Symposium on Oilfield Chemistry 2013. Society of Petroleum Engineers 2013 ISBN 978-1-62748-177-9. s. –
 142. Hendraningrat, Luky; Li, Shidong; Torsæter, Ole: "Effect of Some Parameters Influencing Enhanced Oil Recovery Process using Silica Nanoparticles: An Experimental Investigation". I: SPE Reservoir Characterisation and Simulation Conference and Exhibition. Society of Petroleum Engineers 2013 ISBN 978-1-61399-268-5. s. –
 143. Hendraningrat, Luky; Li, Shidong; Torsæter, Ole: "Enhancing oil recovery of low-permeability Berea sandstone through optimised nanofluids concentration". I: 2013 SPE Enhanced Oil Recovery Conference, Jul 02 - 04, 2013, Kuala Lumpur, Malaysia. SPE 2013 ISBN 978-1-61399-258-6.
 144. Namani, Mehran; Souraki, Yaser; Høier, Lars; Karimaie, Hassan; Kleppe, Jon; Torsæter, Ole: "Experimental Study of Miscible Hot WAG Injection in Heavy Oil and Slightly Heavy Oil Reservoirs". *International Journal of Petroleum Science and Technology* 2013 ;Volume 7.(3) s. 265-278
 145. Taheri, Amir; Høier, Lars; Torsæter, Ole: "Miscible and Immiscible Gas Injection for Enhancing of Condensate Recovery in Fractured Gas Condensate Reservoirs". I: 75th EAGE Conference & Exhibition incorporating SPE EUROPEC 2013, Jul 10 - 13, 2013, London, United Kingdom. Society of Petroleum Engineers 2013 ISBN 978-1-61399-254-8.
 146. Taheri, Amir; Wessel-Berg, Dag; Torsæter, Ole: "Simulation study of density-driven natural convection mechanism in isotropic and anisotropic brine aquifers using a black oil reservoir simulator". *Energy Procedia* 2013; Volume 37. s. 5562-5569

147. Ashrafi, Mohammad; Souraki, Yaser; Torsæter, Ole: "Investigating the Temperature Dependency of Oil and Water Relative Permeabilities for Heavy Oil Systems". *Transport in Porous Media* 2014; Volume 105. s. 517-537
148. Grude, Sissel; Landrø, Martin; White, J. C.; Torsæter, Ole: "CO₂ saturation and thickness predictions in the Tubåen Fm., Snøhvit field, from analytical solution and time-lapse seismic data". *International Journal of Greenhouse Gas Control* 2014; Volume 29. s. 248-255
149. Hendraningrat, Luky; Torsæter, Ole: "Aluminium Oxides Nanoparticles as Enhance the Oil Recovery - An Experimental Investigation". I: Conference proceedings. 76th EAGE Conference & Exhibition. European Association of Geoscientists and Engineers 2014 ISBN 978-90-73834-89-7. s. 1-6
150. Hendraningrat, Luky; Torsæter, Ole: "Effects of the initial rock wettability on silica-based nanofluid-enhanced oil recovery processes at reservoir temperatures". *Energy & Fuels* 2014 ;Volume 28.(10) s. 6228-6241
151. Hendraningrat, Luky; Torsæter, Ole: "Unlocking the Potential of Metal Oxides Nanoparticles to Enhance the Oil Recovery". I: Offshore Technology Conference-Asia. Society of Petroleum Engineers 2014 ISBN 978-1-61399-312-5. s. –
152. Hendraningrat, Luky; Torsæter, Ole; Souraki, Yaser: "Experimental Investigation of Decalin and Metal Nanoparticles-Assisted Bitumen Upgrading During Catalytic Aquathermolysis". I: SPE/EAGE European Unconventional Resources Conference and Exhibition. Society of Petroleum Engineers 2014 ISBN 9781613992944. s. 1-11
153. Hosseinzade Khanamiri, Hamid; Khaledialidusti, Rasoul; Torsæter, Ole; Stensen, Jan Åge: "Nano-scale modeling of rock-fluid interactions in low salinity water imbibition". Society of Core Analysts 2014; 2014-09-08 - 2014-09-12
154. Hosseinzade Khanamiri, Hamid; Torsæter, Ole; Stensen, Jan Åge; Evi, Bongaers: "Oil reservoir rock characterization and fluids segmentation using high resolution micro-CT scans". Micro-CT User Meeting 2014; 2014-05-05 - 2014-05-08
155. Li, Shidong; Torsæter, Ole: "An Experimental Investigation of EOR Mechanisms for Nanoparticles Fluid in Glass Micromodel". International Symposium of the Society of Core Analysts; 2014-09-08 - 2014-09-11
156. Aurand, Katherine Rose; Dahle, Gunnar Sie; Torsæter, Ole: "Comparison of oil recovery for six nanofluids in Berea sandstone cores". Int. Symposium of the Society of Core Analysts; 2014-09-08 - 2014-09-11
157. Farokhpoor, Raheleh; Lindeberg, Erik Gøsta Brun; Torsæter, Ole; Mørk, Mai Britt Engeness; Mørk, Atle: "Permeability and relative permeability measurements for CO₂-brine system at reservoir conditions in low permeable sandstones in Svalbard". *Greenhouse Gases: Science and Technology* 2014; Volume 4 (1) s. 36-
158. Hendraningrat, Luky; Torsæter, Ole: "A study of water chemistry extends the benefits of using silica-based nanoparticles on enhanced oil recovery". *Applied Nanoscience* 2015 s. -
159. Hendraningrat, Luky; Torsæter, Ole: "Metal oxide-based nanoparticles: revealing their potential to enhance oil recovery in different wettability systems". *Applied Nanoscience* 2015; Volume 5.(2) s. 181-199
160. Hosseinzade Khanamiri, Hamid; Tichelkamp, Thomas; Nourani, Meysam; Stensen, Jan Åge; Øye, Gisle; Torsæter, Ole: "Low salinity surfactant flooding: Outcome of fluid-fluid and rock-fluid studies on residual oil in micro scale". IEA Collaborative Project 36th EOR Workshop & Symp.; 2015-09-07 - 2015-09-11
161. Hosseinzade Khanamiri, Hamid; Torsæter, Ole; Stensen, Jan Åge: "Experimental Study of Low Salinity and Optimal Salinity Surfactant Injection". EUROPEC conference; 2015-06-01 - 2015-06-04
162. Hosseinzade Khanamiri, Hamid; Torsæter, Ole; Stensen, Jan Åge: "Pore-Scale Observation of Residual Oil in Low Salinity Surfactant Flooding". Society of Core Analysts Conference 2015; 2015-08-16 - 2015-08-21
163. Li, Shidong; Genys, Mindaugas; Kun, Wang; Torsæter, Ole: "Experimental Study of Wettability Alteration during Nanofluid Enhanced Oil Recovery Process and Its Effect on Oil Recovery". SPE Reservoir Characterization and Simulation Conference and Exhibition; 2015-09-14 - 2015-09-16
164. Li, Shidong; Miaolun, Jiang; Torsæter, Ole: "An experimental investigation of nanoparticles adsorption behavior during transport in Berea sandstone". International Symposium of the Society of Core Analysts; 2015-08-16 - 2015-08-21

165. Li, Shidong; Torsæter, Ole: "Experimental Investigation of the Influence of Nanoparticles Adsorption and Transport on Wettability Alteration for Oil Wet Berea Sandstone". 19th SPE Middle East Oil & Gas Show and Conference; 2015-03-08 - 2015-03-11
166. Li, Shidong; Torsæter, Ole. "The Impact of Nanoparticles Adsorption and Transport on Wettability Alteration of Intermediate Wet Berea Sandstone". SPE Middle East Unconventional Resources Conference and Exhibition; 2015-01-26 - 2015-01-28
167. Polak, Szczepan; Cinar, Yildiray; Holt, Torleif; Torsæter, Ole: "Use of low-and high-IFT fluid systems in experimental and numerical modelling of systems that mimic CO₂ storage in deep saline formations". *Journal of Petroleum Science and Engineering* 2015; Volume 129. s. 97-109
168. Souraki, Yaser; Jahanbani Ghahfarokhi, Ashkan; Torsæter, Ole: "Field Scale Simulation Study, Investigating the Effect of Geological and Operational Parameters on Solvent Co-Injection Process in Athabasca Bitumen Reservoir". SPE Western Regional Meeting (paper SPE-174003-MS); 2015-04-27 - 2015-04-30
169. Taheri, Amir; Wessel-Berg, Dag; Torsæter, Ole: "Prediction of the minimum onset time for convection in a gravitationally unstable diffusive boundary layer using a finite difference pressure". EUROPEC 2015; 2015-06-01 - 2015-06-04
170. Tichelkamp, Thomas; Nourani, Meysam; Hosseinzade Khanamiri, Hamid; Stensen, Jan Åge; Torsæter, Ole; Øye, Gisle: "The effect of water composition on interfacial properties and oil recovery when surfactants are combined with low salinity water". IEA Collaborative Project 36th EOR Workshop & Symposium; 2015-09-07 - 2015-09-11
171. Zhang, Kai; Li, Y.; Hong, A.; Wu, K.; Jing, G.; Torsæter, Ole; Chen, S.; Chen, Z.: "Nanofluid Alternating Gas for Tight Oil Exploitation". SPE/IATMI Asia Pacific Oil and Gas Conference (paper SPE-176241_MS); 2015-10-20 - 2015-10-22
172. Zhang, Kai; Sebakhy, K.; Wu, K.; Jing, G.; Chen, N.; Chen, Z.; Hong, A.; Torsæter, Ole: "Future Trends for Tight Oil Exploitation". SPE North Africa Technical Conference (paper SPE-175699-MS); 2015-09-14 - 2015-09-16
173. Hendraningrat, Luky; Torsæter, Ole: A study of water chemistry extends the benefits of using silica-based nanoparticles on enhanced oil recovery. *Applied Nanoscience* 2016; Volume 6. s. 83-95
174. Hosseinzade Khanamiri, Hamid; Enge, Ida Baltzersen; Nourani, Meysam; Stensen, Jan Åge; Torsæter, Ole; Hadia, Nanji: EOR by Low Salinity Water and Surfactant at Low Concentration: Impact of Injection and in Situ Brine Composition. *Energy & Fuels* 2016; Volume 30 (4) s. 2705-2713
175. Hosseinzade Khanamiri, Hamid; Nourani, Meysam; Tichelkamp, Thomas; Stensen, Jan Åge; Øye, Gisle; Torsæter, Ole: Low-Salinity-Surfactant Enhanced Oil Recovery (EOR) with a New Surfactant Blend: Effect of Calcium Cations. *Energy & Fuels* 2016; Volume 30 (2) s. 984-991
176. Hosseinzade Khanamiri, Hamid; Stensen, Jan Åge; Torsæter, Ole: Effect of Calcium in Pore Scale Oil Trapping by Low Salinity Surfactant EOR at Water Wet Conditions. IOR Norway 2016; 2016-04-26 - 2016-04-27
177. Hosseinzade Khanamiri, Hamid; Torsæter, Ole: Enhanced Oil Recovery by Low Salinity Surfactant: Effect of Ions on Pore Scale Oil Displacement. First symposium on advanced research and education within carbon storage and enhanced oil recovery; 2016-11-22 - 2016-11-23
178. Hosseinzade Khanamiri, Hamid; Torsæter, Ole; Stensen, Jan Åge: Effect of calcium in pore scale oil trapping by low-salinity water and surfactant enhanced oil recovery at strongly water-wet conditions: in situ imaging by X-ray microtomography. *Energy & Fuels* 2016 ;Volum 30.(10) s. 8114-8124
179. Jahanbani Ghahfarokhi, Ashkan; Kleppe, Jon; Torsæter, Ole: Investigation of Water Diversion by a Novel Polymer Gel System for Enhancing Oil Recovery. 15th European Conference on the Mathematics of Oil Recovery (ECMOR XV); 2016-08-29 - 2016-09-01
180. Jahanbani Ghahfarokhi, Ashkan; Kleppe, Jon; Torsæter, Ole: Simulation study of application of a water diverting gel in enhanced oil recovery. SPE Europec featured at 78th EAGE Conference and Exhibition.; 2016-05-30 - 2016-06-02
181. Jahanbani Ghahfarokhi, Ashkan; Shadizadeh, Seyed Reza; Jelmert, Tom Aage; Torsæter, Ole; Moradi, Mahdis. Case Study: Performance Prediction of a Horizontal Well in a Fractured Reservoir. *International Journal of Engineering Trends and Technology* 2016; Volume 40. (2) s. 110-113
182. Jahanbani Ghahfarokhi, Ashkan; Torsæter, Ole; Moradi, Mahdis: Inflow Performance Relationship for Horizontal Oil Wells in Fractured Reservoirs. Saint Petersburg 2016 International Conference & Exhibition; 2016-04-11 - 2016-04-14

183. Souraki, Yaser; Ashrafi, Mohammad; Torsæter, Ole: Experimental investigation and comparison of thermal processes: SAGD, E-SAGD and SAS. *International Journal of Engineering Trends and Technology* 2016; Volume 31 (2).
184. Tichelkamp, Thomas; Hosseinzade Khanamiri, Hamid; Nourani, Meysam; Stensen, Jan Åge; Torsæter, Ole; Øye, Gisle: EOR Potential of Mixed Alkylbenzenesulfonate Surfactant at Low Salinity and the Effect of Calcium on "optimal Ionic Strength". *Energy & Fuels* 2016; Volume 30. (4) s. 2919-2924
185. Aadland, Reidun Cecilie Grønfor; Aurand, Katherine Rose; Torsæter, Ole; Bævre Heggset, Ellinor; Syverud, Kristin: Injectivity and retention of nanocellulose dispersions in Berea sandstone. *International Symposium of the Society of Core Analysts*; 2016-08-21 - 2016-08-26
186. Aadland, Reidun Cecilie Grønfor; Dziuba, Carter Jordan; Heggset, Ellinor Bævre; Syverud, Kristin; Torsæter, Ole; Gates, Ian D.; Bryant, Steven. Transportation of nanocellulose dispersions through porous media. *International Symposium of the Society of Core Analysts*; 2017-08-27 - 2017-08-30
187. Hosseinzade Khanamiri, Hamid; Torsæter, Ole. Injected pore volume on lab and field scales. 9th *International Conference on Porous Media & Annual Meeting*; 2017-05-08 - 2017-05-11
188. Hosseinzade Khanamiri, Hamid; Torsæter, Ole. Ions & surfactant in two phase flow. 9th *International Conference on Porous Media & Annual Meeting*; 2017-05-08 - 2017-05-11
189. Hosseinzade Khanamiri, Hamid; Torsæter, Ole; Voss, Georg. Fluid topology in drainage and imbibition: Pore scale imaging by synchrotron tomography. *International Symposium of the Society of Core Analysts*; 2017-08-27 - 2017-09-01
190. Jahanbani Ghahfarokhi, Ashkan; Kleppe, Jon; Torsæter, Ole. A Comprehensive Simulation Study of Application of Polymer Gels for Enhancing Oil Recovery. *Colloids and Complex fluids for Energies – C2E IFPEN*; 2017-12-04 - 2017-12-06
191. Jahanbani Ghahfarokhi, Ashkan; Kleppe, Jon; Torsæter, Ole. Key Concepts in the Simulation Study of a New Polymer Gel System for Enhanced Oil Recovery. 79th *EAGE Conference and Exhibition*; 2017-06-12 - 2017-06-15
192. Jahanbani Ghahfarokhi, Ashkan; Kleppe, Jon; Torsæter, Ole. Numerical Simulation of a Polymer Gel System for In-Depth Conformance Control. 9th *International Conference on Porous Media & Annual Meeting (Interpore)*; 2017-05-08 - 2017-05-11
193. Jahanbani Ghahfarokhi, Ashkan; Kleppe, Jon; Torsæter, Ole. Numerical Simulation of pH-Sensitive Polymer Gel for In-Depth Conformance Control. *Asia Petroleum and Geoscience Conference & Exhibition 2017*; 2017-11-20 - 2017-11-21
194. Taheri, Amir; Lindeberg, Erik Gøsta Brun; Torsæter, Ole; Wessel-Berg, Dag. Qualitative and quantitative experimental study of convective mixing process during storage of CO₂ in homogeneous saline aquifers. *International Journal of Greenhouse Gas Control* 2017; Volum 66. s. 159-176
195. Torsæter, Ole; Berland, Harald. Microbial Methods. I: JCR-7 Monograph: North Sea Chalk. Stavanger: Universitetet i Stavanger 2017 ISBN 978-82-7644-733-0. s. 355-365
196. Torsæter, Ole; Fjelde, Ingebret. Multiphase Flow Parameters. I: JCR-7 Monograph: North Sea Chalk. Stavanger: Universitetet i Stavanger 2017 ISBN 978-82-7644-733-0. s. 119-132
197. Cheng, X., Kleppe, J., Torsæter, O.: Simulation Study of Effects of Surfactant Properties on Surfactant Enhanced Oil Recovery in Fractured Reservoirs. *SPE Kingdom of Saudi Arabia Annual Technical Symposium and Exhibition*; 2018-04-23 - 2018-04-26
198. Cheng, X., Kleppe, J., Torsæter, O.: Simulation Study of Surfactant Imbibition Mechanisms in Naturally Fractured Reservoirs. *SPE Norway One Day Seminar*; 2018-08-18 - 2018-08-18
199. Hosseinzade Khanamiri, H. Berg, C. F., Slotte, P.A., Schlüter, S., Torsæter, O.: Description of Free Energy for Immiscible Two-Fluid Flow in Porous Media by Integral Geometry and Thermodynamics. *Water Resources Research* 2018; Volume 54. (11) s. 9045-9059
200. Hosseinzade Khanamiri, H., Berg, C. F., Slotte, P. A., Torsæter, O., Schlüter, S.: Energy Description for Immiscible Two-Fluid Flow in Porous Media by Integral Geometry and Thermodynamics. *European Fluid Mechanics Conference (EFMC2018)*; 2018-11-09 - 2018-11-13
201. Jahanbani Ghahfarokhi, A., Kleppe, J., Torsæter, O.: In-Depth Reservoir Placement of pH-Sensitive Polymer Gels - Importance of Geochemical Reactions in Numerical Simulations. 80th *EAGE Conference and Exhibition 2018*; 2018-06-11 - 2018-06-14

202. Jahanbani Ghahfarokhi, A., Torsæter, O.: Numerical Simulation Of Low Salinity Water Flooding: Wettability Alteration Considerations. ECMOR XVI - 16th European Conference on the Mathematics of Oil Recovery; 2018-09-03 - 2018-09-06
203. Li, S., Hadia, N. J., Ng, Y. H., Lau, H. C., Torsæter, O., Stubbs, L. P.: Experimental Investigation of Stability of Silica Nanoparticles at Reservoir Conditions for Enhanced Oil Recovery Applications. Society of Core Analysts; 2018-08-27 - 2018-08-30
204. Li, S., Hadia, N., Lau, H. C. Torsæter, O., Stubbs, L. P., Ng, Q. H.: Silica Nanoparticles Suspension for Enhanced Oil Recovery: Stability Behavior and Flow Visualization. SPE Europec and the 80th EAGE Conference; 2018-06-11 - 2018-06-14
205. Wang, X., Zhang, Z., Torsæter, O., He, J.: Atomistic insights into the nanofluid transport through an ultra-confined capillary. *Physical Chemistry, Chemical Physics - PCCP* 2018; Volume 20. (7) s. 4831-4839
206. Hosseinzade Khanamiri, Hamid; Torsæter, Ole: Fluid Topology in Pore Scale Two-Phase Flow Imaged by Synchrotron X-ray Microtomography. *Water Resources Research* 2018; Volume 54. (3) s. 1905-1917
207. Taheri, Amir; Torsæter, Ole; Lindeberg, Erik Gøsta Brun; Hadia, Nanji; Wessel-Berg, Dag: Qualitative and quantitative experimental study of convective mixing process during storage of CO₂ in heterogeneous saline aquifers, *International Journal of Greenhouse Gas Control* 2018; Volume 71. s. 212-226
208. Aadland, R.C., Dziuba, C.J., Heggset, E.B., Syverud, K., Torsæter, O., Holt, T., Gates, I.D. and Bryant, S.L.: Identification of Nanocellulose Retention Characteristics in Porous Media, *Nanomaterials*, Volume 8, 547, 2018.
209. Aadland, R. C., Jakobsen, T. D., Heggset, E. B., Long-Sanouiller, H., Simon, S. C., Paso, K. G., Syverud, K., Torsæter, O.: High-Temperature Core Flood Investigation of Nanocellulose as a Green Additive for Enhanced Oil Recovery. *Nanomaterials*, 2019; Volume 9. (665), s.1-25
210. Bila, A. L., Stensen, J. Å., Torsæter, O.: An experimental investigation of surface-modified silica nanoparticles in the injection water for enhanced oil recovery. Annual Symposium of the Society of Core Analysts; 2019-08-26 - 2019-08-30.
211. Bila, A. L., Stensen, J. Å., Torsæter, O.: Experimental Evaluation of Oil Recovery Mechanisms Using a Variety of Surface-Modified Silica Nanoparticles in the Injection Water. SPE Norway One Day Seminar; 2019-05-14 - 2019-05-14
212. Bila, A. L., Stensen, J. Å., Torsæter, O.: Experimental Investigation of Polymer-Coated Silica Nanoparticles for Enhanced Oil Recovery. *Nanomaterials* 2019; Volume 9. (822), s.1-25
213. Bila, A. L., Stensen, J. Å., Torsæter, O.: Polymer-coated Silica Nanoparticles for Enhanced Oil Recovery Applications on Berea Sandstone Rocks. 2nd Conference of the Arabian Journal of Geosciences (CAJG); 2019-11-25 - 2019-11-28
214. Cheng, X., Kleppe, J., Torsæter, O.: Simulation study of surfactant injection in a fractured core. *Journal of Petroleum Exploration and Production Technology* 2019; Volume 9. (4) s. 3079-3090
215. Jahanbani Ghahfarokhi, A., Torsæter, O.: Modeling Wettability Alteration in Low Salinity Water Flooding. 81st EAGE Conference & Exhibition 2019; 2019-06-03 - 2019-06-06
216. Li, S., Dan, D., Lau, H. C., Hadia, N., Torsæter, O., Stubbs, L. P.: Investigation of Wettability Alteration by Silica Nanoparticles through Advanced Surface-Wetting Visualization Techniques. 2019 SPE Annual Technical Conference and Exhibition.; 2019-09-30 - 2019-10-02
217. Li, S., Torsæter, O., Lau, H. C., Hadia, N., Stubbs, L. P.: The Impact of Nanoparticle Adsorption on Transport and Wettability Alteration in Water-Wet Berea Sandstone: An Experimental Study. *Frontiers in Physics* 2019; Volume 7 (74) s. 1-12
218. Najafiazar, B., Wessel-Berg, D., Bergmo, P. E. S., Simon, C., Yang, J., Torsæter, O., Holt, T.: Polymer Gels Made with Functionalized Organo-Silica Nanomaterials for Conformance Control. *Energies* 2019; Volume 12 (19) s. 1-28
219. Zhang, J., Torsæter, O., Khanamiri, H. H.: The characteristics of pore-throat structure and two-phase flow in tight sandstone reservoir. ISS2019 - Imaging Summer School 2019; 2019-09-01 - 2019-09-06
220. Aadland, Reidun Cecilie Grønfor; Akarri, Salem Saeed Fadhl; Heggset, Ellinor Bævre; Syverud, Kristin; Torsæter, Ole.; A core flood and microfluidics investigation of nanocellulose as a chemical additive to water flooding for EOR. *Nanomaterials* 2020; Volume 10. (7)

221. Arab, Danial; Kantzas, Apostolos; Torsæter, Ole; Bryant, Steven L.: A Core Scale Investigation of Drainage Displacement. SPE Europec, 82nd EAGE Conference and Exhibition; 2020-12-08 - 2020-12-11
222. Bila, Alberto Luis; Stensen, Jan Åge; Torsæter, Ole.: Polymer-functionalized silica nanoparticles for improving water flood sweep efficiency in Berea sandstones. E3S Web of Conferences 2020; Volume 146.
223. Egbe, Daniel Isong Otu; Jahanbani Ghahfarokhi, Ashkan; Nait Amar, Menad; Torsæter, Ole.: Application of Low-Salinity Waterflooding in Carbonate Cores: A Geochemical Modeling Study. Natural Resources Research 2020
224. Nourani, Meysam; Tichelkamp, Thomas; Hosseinzade Khanamiri, Hamid; Johansen, Trine; Hov, Ingrid Karlsen; Gawel, Bartłomiej; Torsæter, Ole; Øye, Gisle.: Dynamic wettability alteration for combined low salinity brine injection and surfactant flooding on silica surface. SN Applied Sciences 2020 ;Volume 2. (1274)
225. Omran, Mohamed Ahmed Fathy Abdelshafy; Omran, Hend; Torsæter, Ole: Investigation of the Ionic Interactions of Using Nanoparticles in Waterflooding. SPE Europec, 82nd EAGE Conference and Exhibition; 2020-12-08 - 2020-12-11.
226. Bedeaux, Dick; Flekkøy, Eirik Grude; Hansen, Alex; Måløy, Knut Jørgen; Kjelstrup, Signe; Torsæter, Ole.: Editorial: Physics of Porous Media. Frontiers in Physics 2020 ;Volum 8. s. 1-3
227. Bila, Alberto Luis; Torsæter, Ole.: Enhancing oil recovery with hydrophilic polymer-coated silica nanoparticles.. Energies 2020 ;Volum 13.(21) s. 1-15
228. Gjengedal, Sondre; Brøtan, Vegard; Buset, Ole Tore; Larsen, Erik; Åsebø Berg, Olav; Torsæter, Ole; Ramstad, Randi Kalskin; Hilmo, Bernt Olav; Frengstad, Bjørn.: Fluid flow through 3D-printed particle beds: a new technique for understanding, validating, and improving predictability of permeability from empirical equations. Transport in Porous Media 2020 ;Volum 134. s. 1-40
229. Li, Shidong; Biswal, Sibani Lisa; Torsæter, Ole; Lau, Hon Chung; Stubbs, Ludger P.: Fabrication of "sandwich-like" microfluidic chips by ceramic 3D printing for visualization experiments.. InterPore 2020; 2020-08-31 - 2020-09-04
230. Li, Shidong; Ng, Yeap Hung; Lau, Hon Chung; Torsæter, Ole; Stubbs, Ludger P.: Experimental investigation of stability of silica nanoparticles at reservoir conditions for enhanced oil-recovery applications. Nanomaterials 2020 ;Volum 10.(1522) s. 1-15
231. Omran, Mohamed Ahmed Fathy Abdelshafy; Akarri, Salem Saeed Fadhl; Bila, Alberto Luis; Torsæter, Ole.: Screening of nanoparticles with considering the pore structure and initial oil connectivity effects. SPE Norway Subsurface Conference; 2020-11-02 - 2020-11-03
232. Omran, Mohamed Ahmed Fathy Abdelshafy; Akarri, Salem Saeed Fadhl; Torsæter, Ole.: The effect of wettability and flow rate on oil displacement using polymer-coated silica nanoparticles: A microfluidic study. Processes 2020; Volume 8.(8) s. 1-14
233. Rueda, Edgar; Akarri, Salem Saeed Fadhl; Torsæter, Ole; Moreno, Rosangela B.Z.L.: Experimental investigation of the effect of adding nanoparticles to polymer flooding in water-wet micromodels. Nanomaterials 2020; Volume 10 (1489) s. 1-21
234. Zhang, Jingya; Liu, Guangdi; Torsæter, Ole; Tao, Shizhen; Jiang, Mengya; Li, Guohui; Zhang, Shixiang: Pore throat structure characteristics and its effect on flow behavior in Gaotaizi tight siltstone reservoir, Northern Songliao Basin. Marine and Petroleum Geology 2020; Volume 122. (104651) s. 1-20
235. Bila, Alberto Luis; Torsæter, Ole: Experimental investigation of polymer-coated silica nanoparticles for EOR under harsh reservoir conditions of high temperature and salinity. *Nanomaterials* 2021; Volume 11.(765) s. 1-17
236. Egbe, Daniel Isong Otu; Jahanbani Ghahfarokhi, Ashkan; Nait Amar, Menad; Torsæter, Ole: Application of Low-Salinity Waterflooding in Carbonate Cores: A Geochemical Modeling Study. *Natural Resources Research* 2021; Volume 30 (1) s. 519-542
237. Hadia, Nanji; Ng, Yeap Hung; Stubbs, Ludger P.; Torsæter, Ole : High salinity and high temperature stable colloidal silica nanoparticles with wettability alteration ability for EOR application. *Nanomaterials* 2021; Volume 11 (707) s. 1-14
238. Li, Shidong; Lau, Hon Chung; Torsæter, Ole; Hendraningrat, Luky; Temizel, Cenk: Nanoparticles for enhanced oil recovery. I: *Sustainable materials for oil and gas application*. Gulf Professional Publishing 2021 ISBN 978-0-12-824380-0. s. 125-174

239. Ng, Cuthbert Shang Wui; Jahanbani Ghahfarokhi, Ashkan; Nait Amar, Menad; Torsæter, Ole: Smart Proxy Modeling of a Fractured Reservoir Model for Production Optimization: Implementation of Metaheuristic Algorithm and Probabilistic Application. *Natural Resources Research* 2021; Volume 30.(3) s. 2431-2462
240. Sari, Mufrettin Murat; Temizel, Cenk; Canbaz, Celal Hakan; Saputelli, Luigi A.; Torsæter, Ole: Sustainable materials for transitional and alternative energy. *Gulf Professional Publishing 2021* (ISBN 978-0-12-824379-4) 274 s.
241. Taheri, Amir; Torsæter, Ole; Lindeberg, Erik Gøsta Brun; Hadia, Nanji; Wessel-Berg, Dag: Effect of convective mixing process on storage of CO₂ in saline aquifers with layered permeability. *Advances in Chemical Research* 2021; Volume 3 (1) s. 1-21
242. Temizel, Cenk; Sari, Mufrettin Murat; Canbaz, Celal Hakan; Saputelli, Luigi A.; Torsæter, Ole: Sustainable materials for oil and gas application. *Gulf Professional Publishing 2021* (ISBN 978-0-12-824380-0) 255 s.
243. Torsæter, Ole: Application of Nanoparticles for Oil Recovery. *MDPI 2021* (ISBN 978-3-0365-1317-1) 136 s.
244. Torsæter, Ole: Application of nanoparticles for oil recovery. *Nanomaterials* 2021; Volume 11 (1063)
245. Li, Shidong; Sng, Anqi; Daniel, Dan; Lau, Hon Chung; Torsæter, Ole; Stubbs, Ludger P.: Visualizing and quantifying wettability alteration by silica nanofluids. *ACS Applied Materials & Interfaces* 2021; Volume 13. s. 41182-41189
246. Arab, Danial; Kantzas, Apostolos; Torsæter, Ole; Akarri, Salem Saeed Fadhl; Bryant, Steven L. A Crucial Role of the Applied Capillary Pressure in Drainage Displacement. *SPE Journal*, 2021 Volume 26.(04) s. 2148-2166
247. Safarzadeh, Shirin; Bila, Alberto Luis; Torsæter, Ole: Experimental Investigation of the Effect of Silica Nanoparticles on Interfacial Tension and Wettability during Low Salinity Water Flooding: A Micromodel Study. *Journal of Modern Nanotechnology*, 2022; Volume 2.(1) s. 1-19
248. Arab, Danial; Bryant, Steven L.; Torsæter, Ole; Englezos, Peter; Gopaluni, Bhushan; Kantzas, Apostolos: Elucidation of the mechanistic aspects of chemical EOR in viscous oil systems. *Journal of Petroleum Science and Engineering* 2022; Volume 216.(110846) s.
249. Arab, Danial; Bryant, Steven L.; Torsæter, Ole; Kantzas, Apostolos: Water flooding of sandstone oil reservoirs: Underlying mechanisms in imbibition vs. drainage displacement. *Journal of Petroleum Science and Engineering* 2022; Volume 213. s. 1-16
250. Bila, Alberto Luis; Stensen, Jan Åge; Torsæter, Ole: Polymer-Coated Silica Nanoparticles for Enhanced Oil Recovery in Water-Wet Berea Sandstone Core Plugs. *Advances in Science, Technology & Innovation (ASTI)* 2022 s. 409-412
251. Vukovic, Tomislav; Røstad, Jostein; Farooq, Umer; Torsæter, Ole; van der Net, Antje: Systematic Study of Wettability Alteration of Glass Surfaces by Dichlorooctamethyltetrasiloxane Silanization—A Guide for Contact Angle Modification. *ACS Omega*, 2023; Volume 8 (40) s. 36662-36676
252. Vukovic, Tomislav; Røstad, Jostein; Farooq, Umer; Torsæter, Ole; van der Net, Antje: Systematic study of wettability alteration of glass surfaces by dichlorooctamethyltetrasiloxane (Surfasil) silanization - a guide for contact angle modification. *Interpore 15th INTERNATIONAL CONFERENCE ON POROUS MEDIA*; 2023-05-22 - 2023-05-25
253. Delic, Asmira; Lindgren, Mikael; Psarrou, Maria; Economopoulos, Solon; Mariussen, Espen; Krivokapic, Alexander; Torsæter, Ole; Omran, Mohamed; Einarsrud, Mari-Ann: Design of multi-luminescent silica-based nanoparticles for the detection of liquid organic compounds. *Chemistry - A European Journal*, 2024; Volume 30. (17)
254. Karimaie, Hassan; van der Net, Antje; Torsæter, Ole: Core analysis of reservoir rock systems.. *CRC Press 2024* (ISBN 978-1-032-46618-7) 406 s.
255. Temizel, Cenk; Baser, Ali; Saracoglu, Onder; Tural, Tolga; Saputelli, Luigi A.; Torsæter, Ole: Energy transition in the oil and gas industry. *CRC Press 2025* (ISBN 978-1-032-25249-0) 728 s.
256. Temizel, Cenk; Yegin, Cengiz; Kim, Jihoon; Saputelli, Luigi A.; Torsæter, Ole: Introduction. I: Unconventional resources. *Advances in energy transition.. CRC Press 2025* ISBN 978-1-032-32293-3. s. 1-39
257. Temizel, Cenk; Yegin, Cengiz; Kim, Jihoon; Saputelli, Luigi A.; Torsæter, Ole: Reservoir engineering, reservoir management, and surveillance in unconventional resources. I: Unconventional resources. *Advances in energy transition. CRC Press 2025* ISBN 978-1-032-32293-3. s. 239-283

258. Temizel, Cenk; Yegin, Cengiz; Kim, Jihoon; Saputelli, Luigi A.; Torsæter, Ole: Unconventional resources. Advances in energy transition. CRC Press 2025 (ISBN 978-1-032-32293-3) 727 s.