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A. JOURNAL PUBLICATIONS*

1. Bello, O., Dolberg, E.P., Teodoriu, C., Karami, H., Devegowdva, D. 2020. Transformation of academic teaching and research: Development of a highly automated experimental sucker rod pumping unit, *Journal of Petroleum Science and Engineering*, Volume 190.
2. Olteanu, A., Teodoriu, C. 2020. Uncertainty in ultrasonic measurements of oil-based mud contaminated cement, *Materials Today Communications*, Volume 22.
3. Teodoriu, C., Bello, O. 2020. A review of cement testing apparatus and methods under CO₂ environment and their impact on well integrity prediction—Where do we stand?, *Journal of Petroleum Science and Engineering*, Volume 187.
4. Patel, H., Salehi, S., Ahmed, R., Teodoriu, C. 2019. Review of elastomer seal assemblies in oil & gas wells: Performance evaluation, failure mechanisms, and gaps in industry standards, *Journal of Petroleum Science and Engineering*, Volume 179, Pages 1046-1062.
5. Salehi, S., Ezeakacha, C.P., Kwatia, G., Ahmed, R., Teodoriu, C. 2019. Performance verification of elastomer materials in corrosive gas and liquid conditions, *Polymer Testing*, Vol. 75, Pages 48-63.
6. Patel, H., Salehi, S., Teodoriu, C., Ahmed, R. 2019. Performance evaluation and parametric study of elastomer seal in conventional hanger assembly, *Journal of Petroleum Science and Engineering*, Volume 175, Pages 246-254.
7. Naqvi, S.A., Raza, M., Ybarra, V.T., Salehi, S., Teodoriu, C. 2019. Using content analysis through simulation-based training for offshore drilling operations: Implications for process safety and environmental protection, Volume 121, Pages 290-298.
8. Patel, H., Salehi, S., Teodoriu, C., Ahmed, R. 2019. Performance evaluation and parametric study of elastomer seal in conventional hanger assembly, *Journal of Petroleum Science and Engineering*, Volume 175, Pages 246-254.
9. Saleh, F.K., Salehi, S., Teodoriu, C. 2019. Experimental Investigation of Mixing Energy of Well Cements: The Gap between Laboratory and Field Mixing, *Journal of Natural Gas Science and Engineering*, Volume 63, Pages 47-57.
10. Salehi, S., Ezeakacha, C.P., Kwatia, G., Ahmed, R., Teodoriu, C. 2019. Performance Verification of Elastomer materials in corrosive gas and liquid conditions, *Polymer Testing*, Volume 75, Pages 48-63.
11. Ichim, A.C., Saleh, F.K., Teodoriu, C., Sondergeld, C.H. 2019. Investigation of mechanical behavior and physical characteristic of Portland cement: Implications for destructive and non-destructive methods, *Journal of Petroleum Science and Engineering*, Volume 177, Pages 123-134.
12. Raza, M.A., Salehi, S., Ghazal, S., Ybarra, V.T., Naqvi, S.A., Cokely, E.T., Teodoriu, C. 2019. Situational awareness measurement in a simulation-based training framework for offshore well control operations, *Journal of Loss Prevention in the Process Industries*, Volume 62.
13. Saleh, F.K., Teodoriu, C., Sondergeld, C.H. 2019. Investigation of the effect of cement mixing energy on cement strength and porosity using NMR and UPV methods, *Journal of Natural Gas Science and Engineering*, Volume 70.
14. Al Ramadan, M., Salehi, S., Kwatia, G., Ezeakacha, C.P., Teodoriu, C. 2019. Experimental investigation of well integrity: Annular gas migration in cement column, *Journal of Petroleum Science and Engineering*, Volume 179, Pages 126-135.
15. Ahmed, S., Salehi, S., Ezeakacha, C.P., Teodoriu, C. 2019. Evaluation of liner hanger seal assembly and cement sheath as a dual barrier system: Implications for industry standards, *Journal of Petroleum Science and Engineering*, Volume 178.

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16. Teodoriu, C., Yi, M.C., Salehi, S. 2019. A Novel Experimental Investigation of Cement Mechanical Properties with Application to Geothermal Wells, *Energies*, Volume 12.
17. Patel, H., Salehi, S., Ahmed, R., Teodoriu, C. 2019. Review of elastomer seal assemblies in oil & gas wells: Performance evaluation, failure mechanisms, and gaps in industry standards, *Journal of Petroleum Science and Engineering*, Volume 179.
18. Srivastava, S., Teodoriu, C. 2019. An extensive review of laboratory scaled experimental setups for studying drill string vibrations and the way forward, *Journal of Petroleum Science and Engineering*.
19. Salahshoor, S., Fahes, M., Teodoriu, C. 2019. A Review on the Effect of Confinement on Phase Behavior in Tight Formations, *Journal of Natural Gas Science and Engineering*.
20. Stan, M., Pana, I., Minescu, M., Ichim, A.C., Teodoriu C. 2019. Centrifugal Pump Monitoring and Determination of Pump Characteristic Curves Using Experimental and Analytical Solutions, *Processes* 2018, 6, 18; doi:10.3390/pr6020018
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22. Teodoriu, C., Rinne, J. 2018. The Importance of Thread Compound Rheological Investigations in Providing Long Term Leak Resistance of Threaded Connections, *Oil and Gas European Magazine*, Volume 44, Pages 79-84.
23. Ichim, A.C., Teodoriu, C., Falcone, G. 2018. Estimation of Cement Thermal Properties through the Three-Phase Model with Application to Geothermal Wells, *MDPI Energies*, Volume 11, Pages 28-39.
24. Falcone, G., Liu, X., Okech, R.R., Seydov, F., Teodoriu, C. 2018. Assessment of deep geothermal energy exploitation methods: The need for novel single-well solutions, *Energies*, Volume 160.
25. Romanowski, N., Ichim, A.C., Teodoriu, C. 2018. Investigations on Oilwell Cement Strength Response to Ultrasonic Measurements in the Presence of Additives, *Journal of Energy Resources Technology*, Volume 140.
26. Saleh, F.K., Teodoriu, C. 2017. The mechanism of mixing and mixing energy for oil and gas wells cement slurries: A literature review and benchmarking of the findings, *Journal of Natural Gas Science and Engineering*, Volume 38.
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29. Klepsch, C., Teodoriu, C., Schmalhorst, B. 2016. Reflections on the Hydraulic Behavior of a Novel Drilling Concept, *EEK, Oil and Gas European Magazine*, No. 3/2016.
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31. Teodoriu, C., Ichim, A.C. 2015. Use of Noise Interpretation to Determine Mud Pump Working Condition: A Hands-On Teaching Concept with Research Potential, *Oil and Gas European Magazine*, Volume 6.
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37. Bai, M.X., Sun, J.P., Song, K.P., Reinicke, K.M., Teodoriu, C. 2015. Risk assessment of abandoned wells affected by CO₂, *Environ Earth Science*, Volume 73.
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45. Teodoriu, C. 2013. Why and When does Casing Fail in Geothermal Wells, *Oil and Gas European Magazine*, Volume 39, Pages 38-40.
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48. Bär, F., Teodoriu, C., Overmeyer, L. 2013. Ansätze zur Ermittlung und Reduktion nichtproduktiver Zeiten an Tiefbohranlagen (Original Title in German. Translation: Approaches for determination and reduction of non-productive times of drilling), *Logistics Journal: Proceedings*, Volume 2013.
49. Teodoriu, C. 2013. Hands-on Teaching for Petroleum Engineers in the Twenty-First Century, 1013-0154-JPT SPE Society of Petroleum Engineers. doi:10.2118/1013-0154-JPT
50. Teodoriu, C., Kosinowski, C., Amani, M., Schubert, J., Shadravan, A. 2013. Wellbore Integrity and Cement Failure at HPHT Conditions, *International Journal of Engineering and Applied Sciences*, Volume 2.
51. Teodoriu, C., Amani, M., Yuan, Z., Schubert, J., Kosinowski, C. 2013. Investigation of the Mechanical Properties of Class G Cement and Their Effect on Well Integrity, *International Journal of Engineering and Applied Sciences* Volume 2.
52. Falcone, G., Hua, G., Teodoriu, C., Morrison, G. 2012. Comparison of Multiphase Pumping Technologies for Subsea and Downhole Applications, *Oil and Gas Facilities Journal*.
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55. Parimal, A.P., Teodoriu, C. 2012. Model Development of Torsional Drillstring and Investigating Parametrically the Stick-Slips Influencing Factors, *Journal of Energy Resources Technology*, Volume 135.
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57. Bello, O.O., Falcone, G., Teodoriu, C., Udong, I. 2011. A Mechanistic Model for Predicting and Optimizing Oil-Sand Flow in Horizontal Wells, *Oil & Gas Science and Technology - Revue d'IFP Energies Nouvelles*, Volume 66, Pages 979-989.
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61. Zhang, H., Falcone, G., Teodoriu, C. 2010. Modeling Fully Transient Two-Phase Flow in the Near-Wellbore Region During Liquid Loading in Gas Wells, *Journal of Natural Gas Science & Engineering*, Volume 2, Pages 122-131.
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68. Teodoriu, C. 2009. Rotary-Shouldered Connections Make-up Torque Calculation Considering the Effect of Contact Pressure on Thread Compound's Friction Coefficient; *Oil and Gas European Magazine*, Volume 4.
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74. Bello, O.O., Fasesan, S.O., Teodoriu, C, Reinicke, K.R. 2007. An evaluation of the performance of selected wax inhibitors on paraffin deposition of Nigerian crude oils, Petroleum Science and Technology, Volume 24, Pages 195-206.
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B. PEER REVIEWED CONFERENCE PROCEEDINGS

80. Diniță, A., Minescu, M., Dumitrescu, A., Teodoriu, C., Săraru, C. 2019. Assessment of Variations in the Physico-Mechanical Properties of Fiberglass Tubing Working in Different Environments, Proceedings of the ASME 2019 38th International Conference on Ocean, Offshore and Arctic Engineering, Volume 8: Polar and Arctic Sciences and Technology; Petroleum Technology. Glasgow, Scotland, UK, June 9–14.
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82. Patel, H., Salehi, S., Teodoriu, C. 2019. Developing Sensitivity Response Curves to Evaluate Mechanical Integrity of Set Cement, Proceedings of the ASME 2019 38th International Conference on Ocean, Offshore and Arctic Engineering, Volume 8: Polar and Arctic Sciences and Technology; Petroleum Technology. Glasgow, Scotland, UK, June 9–14.
83. Teodoriu, C, Salehi, S. 2019. How Heuristics and Biases Impact Judgment and Decision Making in Well Integrity Operations, Proceedings of the ASME 2019 38th International Conference on Ocean, Offshore and Arctic Engineering, Volume 8: Polar and Arctic Sciences and Technology; Petroleum Technology. Glasgow, Scotland, UK, June 9–14.
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89. Kiran, R., Salehi, S., Teodoriu, C. 2018. Implementing Human Factors in Oil and Gas Drilling and Completion Operations: Enhancing Culture of Process Safety, Proceedings of the ASME 2018 37th International Conference on Ocean, Offshore and Arctic Engineering, Volume 8: Polar and Arctic Sciences and Technology; Petroleum Technology, Madrid, Spain, June 17–22.
90. Shenold, C., Teodoriu, C., Salehi, S. 2018. Consideration of the Human Element in Cementing Operations and Well Integrity, Proceedings of the ASME 2018 37th International Conference on Ocean, Offshore and Arctic Engineering, Volume 8: Polar and Arctic Sciences and Technology; Petroleum Technology, Madrid, Spain, June 17–22.
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C. CONFERENCE PROCEEDINGS

113. Phi, T., Elgaddafi, R., Al Ramadan, M., Ahmed, R., Teodoriu, C. 2019. Well Integrity Issues: Extreme High-Pressure High-Temperature Wells and Geothermal Wells, A Review. Paper SPE- 198687-MS, paper presented at the SPE Thermal Well Integrity and Design Symposium, Banff, Alberta, Canada, November 19-21.
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