

# Mehdi Ostadhassan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2029024/publications.pdf>

Version: 2024-02-01

133  
papers

3,352  
citations

156536

32  
h-index

214428

50  
g-index

138  
all docs

138  
docs citations

138  
times ranked

2209  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Nanoscale pore structure characterization of the Bakken shale in the USA. <i>Fuel</i> , 2017, 209, 567-578.   | 3.4 | 221       |
| 2  | Applications of nano-indentation methods to estimate nanoscale mechanical properties of shale reservoir rocks. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 35, 1310-1319. | 2.1 | 150       |
| 3  | A comprehensive pore structure study of the Bakken Shale with SANS, N <sub>2</sub> adsorption and mercury intrusion. <i>Fuel</i> , 2019, 245, 274-285.                                      | 3.4 | 106       |
| 4  | A new approach in petrophysical rock typing. <i>Journal of Petroleum Science and Engineering</i> , 2018, 166, 445-464.  | 2.1 | 97        |
| 5  | Pore characterization of 3D-printed gypsum rocks: a comprehensive approach. <i>Journal of Materials Science</i> , 2018, 53, 5063-5078.  | 1.7 | 92        |
| 6  | Raman spectroscopy to study thermal maturity and elastic modulus of kerogen. <i>International Journal of Coal Geology</i> , 2018, 185, 103-118.   | 1.9 | 91        |
| 7  | Multifractal analysis of gas adsorption isotherms for pore structure characterization of the Bakken Shale. <i>Fuel</i> , 2018, 219, 296-311.  | 3.4 | 84        |
| 8  | Microstructural and geomechanical analysis of Bakken shale at nanoscale. <i>Journal of Petroleum Science and Engineering</i> , 2017, 153, 133-144.  | 2.1 | 80        |
| 9  | Statistical grid nanoindentation analysis to estimate macro-mechanical properties of the Bakken Shale. <i>Journal of Natural Gas Science and Engineering</i> , 2018, 53, 181-190.           | 2.1 | 69        |
| 10 | NMR relaxometry a new approach to detect geochemical properties of organic matter in tight shales. <i>Fuel</i> , 2019, 235, 167-177.  | 3.4 | 68        |
| 11 | Application of PeakForce tapping mode of atomic force microscope to characterize nanomechanical properties of organic matter of the Bakken Shale. <i>Fuel</i> , 2018, 233, 894-910.         | 3.4 | 66        |
| 12 | Quantification of the microstructures of Bakken shale reservoirs using multi-fractal and lacunarity analysis. <i>Journal of Natural Gas Science and Engineering</i> , 2017, 39, 62-71.      | 2.1 | 61        |
| 13 | Organofacies study of the Bakken source rock in North Dakota, USA, based on organic petrology and geochemistry. <i>International Journal of Coal Geology</i> , 2018, 188, 79-93.            | 1.9 | 58        |
| 14 | Nanomechanical characterization of organic matter in the Bakken formation by microscopy-based method. <i>Marine and Petroleum Geology</i> , 2018, 96, 128-138.                              | 1.5 | 58        |
| 15 | Multi-scale fractal analysis of pores in shale rocks. <i>Journal of Applied Geophysics</i> , 2017, 140, 1-10.   | 0.9 | 56        |
| 16 | The impact of pore size distribution data presentation format on pore structure interpretation of shales. <i>Advances in Geo-Energy Research</i> , 2019, 3, 187-197.                        | 3.1 | 56        |
| 17 | Multifractal characteristics of Longmaxi Shale pore structures by N <sub>2</sub> adsorption: A model comparison. <i>Journal of Petroleum Science and Engineering</i> , 2018, 168, 330-341.  | 2.1 | 55        |
| 18 | Can 3-D Printed Gypsum Samples Replicate Natural Rocks? An Experimental Study. <i>Rock Mechanics and Rock Engineering</i> , 2018, 51, 3061-3074.  | 2.6 | 54        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Nanopore structures of isolated kerogen and bulk shale in Bakken Formation. <i>Fuel</i> , 2018, 226, 441-453.  | 3.4 | 52        |
| 20 | Microstructure characteristics and fractal analysis of 3D-printed sandstone using micro-CT and SEM-EDS. <i>Journal of Petroleum Science and Engineering</i> , 2019, 175, 1039-1048.  | 2.1 | 48        |
| 21 | Nano-dynamic mechanical analysis (nano-DMA) of creep behavior of shales: Bakken case study. <i>Journal of Materials Science</i> , 2018, 53, 4417-4432.   | 1.7 | 47        |
| 22 | Application of nanoindentation to characterize creep behavior of oil shales. <i>Journal of Petroleum Science and Engineering</i> , 2018, 167, 729-736.   | 2.1 | 46        |
| 23 | Correlating Rock-Eval <sub>5</sub> T <sub>max</sub> with bitumen reflectance from organic petrology in the Bakken Formation. <i>International Journal of Coal Geology</i> , 2019, 205, 87-104.   | 1.9 | 44        |
| 24 | A further verification of FZI* and PSRTI: Newly developed petrophysical rock typing indices. <i>Journal of Petroleum Science and Engineering</i> , 2019, 175, 693-705.   | 2.1 | 44        |
| 25 | Multi-scale evaluation of mechanical properties of the Bakken shale. <i>Journal of Materials Science</i> , 2019, 54, 2133-2151.  | 1.7 | 43        |
| 26 | Nanopore structure comparison between shale oil and shale gas: examples from the Bakken and Longmaxi Formations. <i>Petroleum Science</i> , 2019, 16, 77-93.   | 2.4 | 42        |
| 27 | Flow modeling in shale gas reservoirs: A comprehensive review. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 83, 103535.   | 2.1 | 37        |
| 28 | Evaluating Molecular Evolution of Kerogen by Raman Spectroscopy: Correlation with Optical Microscopy and Rock-Eval Pyrolysis. <i>Energies</i> , 2018, 11, 1406.  | 1.6 | 36        |
| 29 | Multi-scale assessment of mechanical properties of organic-rich shales: A coupled nanoindentation, deconvolution analysis, and homogenization method. <i>Journal of Petroleum Science and Engineering</i> , 2019, 174, 80-91.                | 2.1 | 36        |
| 30 | Estimating thermal maturity of organic-rich shale from well logs: Case studies of two shale plays. <i>Fuel</i> , 2019, 235, 1195-1206.   | 3.4 | 35        |
| 31 | Estimating permeability of shale-gas reservoirs from porosity and rock compositions. <i>Geophysics</i> , 2018, 83, MR283-MR294.  | 1.4 | 34        |
| 32 | Fractal and Multifractal Characteristics of Pore Throats in the Bakken Shale. <i>Transport in Porous Media</i> , 2019, 126, 579-598.   | 1.2 | 34        |
| 33 | Understanding organic matter heterogeneity and maturation rate by Raman spectroscopy. <i>International Journal of Coal Geology</i> , 2019, 206, 46-64.   | 1.9 | 33        |
| 34 | Layered metal-organic framework based on tetracyanonickelate as a cathode material for <i>in situ</i> Li-ion storage. <i>RSC Advances</i> , 2019, 9, 21363-21370.  | 1.7 | 32        |
| 35 | New technique of True Effective Mobility (TEM-Function) in dynamic rock typing: Reduction of uncertainties in relative permeability data for reservoir simulation. <i>Journal of Petroleum Science and Engineering</i> , 2019, 179, 210-227. | 2.1 | 32        |
| 36 | Evaluation of different machine learning frameworks to predict CNL-FDC-PEF logs via hyperparameters optimization and feature selection. <i>Journal of Petroleum Science and Engineering</i> , 2022, 208, 109463.                             | 2.1 | 32        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | From excess to absolute adsorption isotherm: The effect of the adsorbed density. Chemical Engineering Journal, 2021, 425, 131495.  | 6.6 | 31        |
| 38 | Characterization of geochemical properties and microstructures of the Bakken Shale in North Dakota. International Journal of Coal Geology, 2018, 190, 84-98.   | 1.9 | 30        |
| 39 | Coordinating gallium hexacyanocobaltate: Prussian blue-based nanomaterial for Li-ion storage. RSC Advances, 2019, 9, 26668-26675.  | 1.7 | 28        |
| 40 | Creep Behavior of Shale: Nanoindentation vs. Triaxial Creep Tests. Rock Mechanics and Rock Engineering, 2021, 54, 321-335.   | 2.6 | 28        |
| 41 | Pore structure and adsorption hysteresis of the middle Jurassic Xishanyao shale formation in the Southern Junggar Basin, northwest China. Energy Exploration and Exploitation, 2021, 39, 761-778.              | 1.1 | 28        |
| 42 | Prediction of Dead Oil Viscosity: Machine Learning vs. Classical Correlations. Energies, 2021, 14, 930.  | 1.6 | 28        |
| 43 | Pd modified prussian blue frameworks: Multiple electron transfer pathways for improving catalytic activity toward hydrogenation of nitroaromatics. Molecular Catalysis, 2020, 492, 110967.                     | 1.0 | 26        |
| 44 | Reassessment of CO <sub>2</sub> sequestration in tight reservoirs and associated formations. Journal of Petroleum Science and Engineering, 2021, 206, 109071.  | 2.1 | 26        |
| 45 | Experimental Study on the Impact of Thermal Maturity on Shale Microstructures Using Hydrous Pyrolysis. Energy & Fuels, 2019, 33, 9702-9719.  | 2.5 | 25        |
| 46 | Structural Evolution of Organic Matter in Deep Shales by Spectroscopy ( <sup>1</sup> H and <sup>13</sup> C) and T <sub>g</sub> of BT / Overlock 10 Tf 50 387   | 2.5 | 25        |
| 47 | Comparison of fractal dimensions from nitrogen adsorption data in shale <i>via</i> different models. RSC Advances, 2021, 11, 2298-2306.  | 1.7 | 25        |
| 48 | Molecular weight variations of kerogen during maturation with MALDI-TOF-MS. Fuel, 2020, 269, 117452.   | 3.4 | 25        |
| 49 | Graphite carbon-encapsulated metal nanoparticles derived from Prussian blue analogs growing on natural loofa as cathode materials for rechargeable aluminum-ion batteries. Scientific Reports, 2019, 9, 13665. | 1.6 | 23        |
| 50 | Chemical heterogeneity of organic matter at nanoscale by AFM-based IR spectroscopy. Fuel, 2020, 261, 116454.   | 3.4 | 22        |
| 51 | A case study of petrophysical rock typing and permeability prediction using machine learning in a heterogeneous carbonate reservoir in Iran. Scientific Reports, 2022, 12, 4505.                               | 1.6 | 22        |
| 52 | Geomechanical Upscaling Methods: Comparison and Verification via 3D Printing. Energies, 2019, 12, 382.   | 1.6 | 21        |
| 53 | Nanoscale Pore Structure Characterization of Tight Oil Formation: A Case Study of the Bakken Formation. Energy & Fuels, 2019, 33, 6008-6019.   | 2.5 | 21        |
| 54 | Multifractal Characteristics of MIP-Based Pore Size Distribution of 3D-Printed Powder-Based Rocks: A Study of Post-Processing Effect. Transport in Porous Media, 2019, 129, 599-618.                           | 1.2 | 21        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 55 | A new model to estimate permeability using mercury injection capillary pressure data: Application to carbonate and shale samples. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 84, 103691.   | 2.1 | 20        |
| 56 | A new framework for selection of representative samples for special core analysis. <i>Petroleum Research</i> , 2020, 5, 210-226.  | 1.6 | 20        |
| 57 | Pore Structure Alteration of Organic-Rich Shale with Sc-CO <sub>2</sub> Exposure: the Bakken Formation. <i>Energy &amp; Fuels</i> , 2021, 35, 5074-5089.  | 2.5 | 20        |
| 58 | Integrating advanced soft computing techniques with experimental studies for pore structure analysis of Qingshankou shale in Southern Songliao Basin, NE China. <i>International Journal of Coal Geology</i> , 2022, 257, 103998.                                   | 1.9 | 20        |
| 59 | AFM vs. Nanoindentation: Nanomechanical properties of organic-rich Shale. <i>Marine and Petroleum Geology</i> , 2021, 132, 105229.  | 1.5 | 18        |
| 60 | Natural fractures in metamorphic basement reservoirs in the Liaohe Basin, China. <i>Marine and Petroleum Geology</i> , 2020, 119, 104479.   | 1.5 | 17        |
| 61 | Hydrocarbon saturation in shale oil reservoirs by inversion of dielectric dispersion logs. <i>Fuel</i> , 2020, 266, 116934.   | 3.4 | 17        |
| 62 | Sulfur Differentiation in Organic-Rich Shales and Carbonates via Open-System Programmed Pyrolysis and Oxidation: Insights into Fluid Souring and H <sub>2</sub> S Production in the Bakken Shale, United States. <i>Energy &amp; Fuels</i> , 2021, 35, 12030-12044. | 2.5 | 17        |
| 63 | Evaluating Single-Parameter parabolic failure criterion in wellbore stability analysis. <i>Journal of Natural Gas Science and Engineering</i> , 2018, 50, 166-180.  | 2.1 | 16        |
| 64 | A cost-effective chemo-thermo-poroelastic wellbore stability model for mud weight design during drilling through shale formations. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2020, 12, 768-779.   | 3.7 | 16        |
| 65 | Prediction of Water Saturation from Well Log Data by Machine Learning Algorithms: Boosting and Super Learner. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 666.  | 1.2 | 16        |
| 66 | Optimal Separation of CO <sub>2</sub> /CH <sub>4</sub> /Brine with Amorphous Kerogen: A Thermodynamics and Kinetics Study. <i>Journal of Physical Chemistry C</i> , 2019, 123, 20877-20883.   | 1.5 | 15        |
| 67 | Natural Fractures in Carbonate Basement Reservoirs of the Jizhong Sub-Basin, Bohai Bay Basin, China: Key Aspects Favoring Oil Production. <i>Energies</i> , 2020, 13, 4635.   | 1.6 | 15        |
| 68 | Effective fractures and their contribution to the reservoirs in deep tight sandstones in the Kuqa Depression, Tarim Basin, China. <i>Marine and Petroleum Geology</i> , 2021, 124, 104824.  | 1.5 | 15        |
| 69 | Organic geochemistry, oil-source rock, and oil-oil correlation study in a major oilfield in the Middle East. <i>Journal of Petroleum Science and Engineering</i> , 2021, 207, 109074.   | 2.1 | 15        |
| 70 | Adsorption based realistic molecular model of amorphous kerogen. <i>RSC Advances</i> , 2020, 10, 23312-23320.   | 1.7 | 14        |
| 71 | A chemo-mechanical snapshot of in-situ conversion of kerogen to petroleum. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 273, 37-50.   | 1.6 | 14        |
| 72 | Joint optimization of constrained well placement and control parameters using teaching-learning based optimization and an inter-distance algorithm. <i>Journal of Petroleum Science and Engineering</i> , 2021, 203, 108652.  | 2.1 | 14        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 73 | Petrophysical characteristics and log identification of lacustrine shale lithofacies: A case study of the first member of Qingshankou Formation in the Songliao Basin, Northeast China. Interpretation, 2020, 8, SL45-SL57.  | 0.5 | 14        |
| 74 | Natural fractures in tight gas volcanic reservoirs and their influences on production in the Xujiaweizi depression, Songliao Basin, China. AAPG Bulletin, 2020, 104, 2099-2123.  | 0.7 | 14        |
| 75 | Measurement of Solubility of CO <sub>2</sub> in NaCl, CaCl <sub>2</sub> , MgCl <sub>2</sub> and MgCl <sub>2</sub> + CaCl <sub>2</sub> Brines at Temperatures from 298 to 373 K and Pressures up to 20 MPa Using the Potentiometric Titration Method. Energies, 2021, 14, 7222. | 1.6 | 14        |
| 76 | Predicting the surfactant-polymer flooding performance in chemical enhanced oil recovery: Cascade neural network and gradient boosting decision tree. AEJ - Alexandria Engineering Journal, 2022, 61, 7715-7731.   | 3.4 | 14        |
| 77 | Abnormal behavior during nanoindentation holding stage: Characterization and explanation. Journal of Petroleum Science and Engineering, 2019, 173, 733-747.  | 2.1 | 13        |
| 78 | Image analysis of the pore structures: An intensive study for Middle Bakken. Journal of Natural Gas Science and Engineering, 2019, 61, 32-45.  | 2.1 | 13        |
| 79 | A comparison study of the unloading behavior in shale samples in nanoindentation experiments using different models. Journal of Petroleum Science and Engineering, 2020, 186, 106715.  | 2.1 | 13        |
| 80 | Preliminary Investigation of the Effects of Thermal Maturity on Redox-Sensitive Trace Metal Concentration in the Bakken Source Rock, North Dakota, USA. ACS Omega, 2020, 5, 7135-7148.   | 1.6 | 12        |
| 81 | Nanochemo-mechanical characterization of organic shale through AFM and EDS. , 2017, , ,  |     | 12        |
| 82 | Porosity prediction from pre-stack seismic data via committee machine with optimized parameters. Journal of Petroleum Science and Engineering, 2022, 210, 110067.  | 2.1 | 12        |
| 83 | Estimation of thermal maturity in the Bakken source rock from a combination of well logs, North Dakota, USA. Marine and Petroleum Geology, 2019, 105, 32-44.   | 1.5 | 11        |
| 84 | Modeling Interfacial Tension of N <sub>2</sub> /CO <sub>2</sub> Mixture + n-Alkanes with Machine Learning Methods: Application to EOR in Conventional and Unconventional Reservoirs by Flue Gas Injection. Minerals (Basel, Switzerland), 2022, 12, 252.                       | 0.8 | 11        |
| 85 | Characterization and Consecutive Prediction of Pore Structures in Tight Oil Reservoirs. Energies, 2018, 11, 2705.  | 1.6 | 10        |
| 86 | Time-frequency decomposition of seismic signals via quantum swarm evolutionary matching pursuit. Geophysical Prospecting, 2019, 67, 1701-1719.   | 1.0 | 10        |
| 87 | Bacterial vs. thermal degradation of algal matter: Analysis from a physicochemical perspective. International Journal of Coal Geology, 2020, 223, 103465.  | 1.9 | 10        |
| 88 | Experimental Measurement and Equilibrium Modeling of Adsorption of Asphaltenes from Various Origins onto the Magnetite Surface under Static and Dynamic Conditions. ACS Omega, 2021, 6, 24256-24268.   | 1.6 | 10        |
| 89 | A geomechanical study of Bakken Formation considering the anisotropic behavior of shale layers. Journal of Petroleum Science and Engineering, 2018, 165, 567-574.  | 2.1 | 9         |
| 90 | Study on array laterolog response simulation and mud-filtrate invasion correction. Advances in Geo-Energy Research, 2019, 3, 175-186.  | 3.1 | 9         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 91  | Evaluating the Impact of Mechanical Properties of Kerogen on Hydraulic Fracturing of Organic Rich Formations. , 2018, , .  |     | 8         |
| 92  | Refracturing: well selection, treatment design, and lessons learned—a review. Arabian Journal of Geosciences, 2019, 12, 1.   | 0.6 | 8         |
| 93  | Determination of Clay Bound Water in Shales from NMR Signals: The Fractal Theory. Energy & Fuels, 2021, 35, 18406-18413.   | 2.5 | 8         |
| 94  | Pore Structure Analysis by Using Atomic Force Microscopy. , 2016, , .  |     | 7         |
| 95  | Characterizing Pore Size Distributions of Shale. , 2019, , 3-20.   |     | 7         |
| 96  | Backtracking to Parent Maceral from Produced Bitumen with Raman Spectroscopy. Minerals (Basel,) Tj ETQqO 0 0 rgBT /Overlock 10 TF 5  | 0.8 | 7         |
| 97  | A real-world impact of offset frac-hits by rate transient analysis in the Bakken and Three Forks, North Dakota, USA. Journal of Petroleum Science and Engineering, 2022, 208, 109710.              | 2.1 | 7         |
| 98  | TGA and elemental analysis of type II kerogen from the Bakken supported by HRTEM. Journal of Natural Gas Science and Engineering, 2022, 103, 104606.   | 2.1 | 7         |
| 99  | Natural fractures in deep tight gas sandstone reservoirs in the thrust belt of the southern Junggar Basin, northwestern China. Interpretation, 2020, 8, SP81-SP93.                                 | 0.5 | 6         |
| 100 | Microstructural analysis of organic matter in shale by SAXS and WAXS methods. Petroleum Science, 2022, 19, 979-989.  | 2.4 | 6         |
| 101 | An insight into CO2 sequestration and EGR in Longmaxi and Niutitang shale formations via experimental analysis. Fuel, 2022, 324, 124776.   | 3.4 | 6         |
| 102 | Potential Application of Atomic Force Microscopy in Characterization of Nano-pore Structures of Bakken Formation. , 2016, , .  |     | 5         |
| 103 | Sedimentary architecture of hyperpycnal flow deposits: Cretaceous Sangyuan outcrop, from the Luanping Basin, North East China. Marine and Petroleum Geology, 2020, 121, 104593.                    | 1.5 | 5         |
| 104 | Understanding the creep behavior of shale via nano-DMA method. Energy Reports, 2021, 7, 7478-7487.   | 2.5 | 5         |
| 105 | Joint optimization of constrained well placement and control parameters with a quantum-inspired cell-based quality gate function. Journal of Petroleum Science and Engineering, 2021, 209, 109854. | 2.1 | 5         |
| 106 | Integrated Reservoir Characterization of the Middle Bakken in the Blue Buttes Field, Williston Basin, North Dakota. , 2017, , .  |     | 4         |
| 107 | Quantifying the Nano-Mechanical Signature of Shale Oil Formations by Grid Nanoindentation. , 2017, , .   |     | 4         |
| 108 | 1D mechanical earth modeling in the Permian Lucaogou Shale of the Santanghu Basin, Northwest China, from a complete set of laboratory data. Interpretation, 2021, 9, T357-T372.                    | 0.5 | 4         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 109 | Experimental Investigation of Solid Organic Matter with a 2D NMR<br><i>T</i><sub>1</sub>â€“<i>T</i><sub>2</sub>. Map. Energy & Fuels, 2021, 35, 15709-15720.   | 2.5 | 4         |
| 110 | Controls of fault-bend fold on natural fractures: Insight from discrete element simulation and outcrops in the southern margin of the Junggar Basin, Western China. Marine and Petroleum Geology, 2022, 138, 105541. | 1.5 | 4         |
| 111 | Compositional Modeling of the Oil Formation Volume Factor of Crude Oil Systems: Application of Intelligent Models and Equations of State. ACS Omega, 2022, 7, 24256-24273.   | 1.6 | 4         |
| 112 | Diffusivity and hydrophobic hydration of hydrocarbons in supercritical CO<sub>2</sub> and aqueous brine. RSC Advances, 2020, 10, 37938-37946.  | 1.7 | 3         |
| 113 | Evaluation of 3D printed microfluidic networks to study fluid flow in rocks. Oil and Gas Science and Technology, 2021, 76, 50.   | 1.4 | 3         |
| 114 | Proper Experimental Parameters in N2 Adsorption: The Effects of Data Points and Equilibrium Interval Time. Energy & Fuels, 0, , .  | 2.5 | 3         |
| 115 | Stable Isotope Geochemistry of the Organic Elements within Shales and Crude Oils: A Comprehensive Review. Molecules, 2022, 27, 34.   | 1.7 | 3         |
| 116 | Performance of Silicon Carbide Nanomaterials in Separation Process. Separation and Purification Reviews, 2023, 52, 205-220.  | 2.8 | 3         |
| 117 | Nanoscale mechanical properties of 3D printed gypsum-powder-based rocks by nanoindentation and numerical modeling. Rapid Prototyping Journal, 2019, 25, 1295-1308.   | 1.6 | 2         |
| 118 | Theoretical Prediction of the Occurrence of Gas Hydrate Stability Zones: A Case Study of the Mohe Basin, Northeast China. ACS Omega, 2021, 6, 35810-35820.   | 1.6 | 2         |
| 119 | Modeling of Brine/CO2/Mineral Wettability Using Gene Expression Programming (GEP): Application to Carbon Geo-Sequestration. Minerals (Basel, Switzerland), 2022, 12, 760.  | 0.8 | 2         |
| 120 | Multiscale characterization of pore structures of shale: quantification from SEM image analysis. , 2016, , .   |     | 1         |
| 121 | A preliminary optimization of borehole microseismic array design with a multiple criteria decision analysis. Journal of Applied Geophysics, 2018, 157, 87-95.  | 0.9 | 1         |
| 122 | Rate Transient Analysis. SpringerBriefs in Petroleum Geoscience & Engineering, 2022, , 65-99.  | 0.1 | 1         |
| 123 | Estimation of Mechanical Properties of the Bakken Shales Through Convolutional Neural Networks. Rock Mechanics and Rock Engineering, 2022, 55, 1213-1225.  | 2.6 | 1         |
| 124 | Incorporating Geomechanics into the Decline-Curve Analysis of Naturally Fractured Reservoirs. , 2011, , .  |     | 0         |
| 125 | A Multidisciplinary Study of Stimulation Designs in the Three Forks Formation, ND. , 2015, , .   |     | 0         |
| 126 | Quantification of the Microstructure Heterogeneities of Bakken Shale Reservoirs from Multi-Fractal Analysis. , 2017, , .   |     | 0         |



| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 127 | Microstructures and Geochemical Characteristics of Bakken Shale Formations. , 2017, , .                    |     | 0         |
| 128 | Nano-mechanical Properties. SpringerBriefs in Petroleum Geoscience & Engineering, 2018, , 71-89.           | 0.1 | 0         |
| 129 | Geochemical Properties. SpringerBriefs in Petroleum Geoscience & Engineering, 2018, , 57-70.               | 0.1 | 0         |
| 130 | Pressure Transient Analysis. SpringerBriefs in Petroleum Geoscience & Engineering, 2022, , 35-64.          | 0.1 | 0         |
| 131 | Unconventional Oil and Gas Reservoirs. SpringerBriefs in Petroleum Geoscience & Engineering, 2022, , 1-10. | 0.1 | 0         |
| 132 | Unconventional Reservoir Engineering. SpringerBriefs in Petroleum Geoscience & Engineering, 2022, , 11-34. | 0.1 | 0         |
| 133 | Pore Structures. SpringerBriefs in Petroleum Geoscience & Engineering, 2018, , 17-56.                      | 0.1 | 0         |