

G Suresh Kumar

List of Publications by Year in descending order

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Version: 2024-02-01

163
papers

2,278
citations

236612

25
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288905

40
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165
all docs

165
docs citations

165
times ranked

1734
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Mathematical investigation into the sequential adsorption of silver ions and brilliant green dye using biochar derived from Gracilaria Rhodophyta algae. Biomass Conversion and Biorefinery, 2023, 13, 10065-10084. | 2.9 | 3 |
| 2 | Numerical modelling of nitrate transport in fractured porous media under non-isothermal conditions. Environmental Science and Pollution Research, 2022, 29, 85922-85944. | 2.7 | 4 |
| 3 | Experimental study of the influence of the content of calcite and dolomite in the rock on the efficiency of acid treatment. Journal of Petroleum Science and Engineering, 2022, 208, 109770. | 2.1 | 24 |
| 4 | Numerical modeling of colloid-assisted BTEX transport in a saturated fractured aquifer. Environmental Earth Sciences, 2022, 81, 1. | 1.3 | 1 |
| 5 | Heavy oil-water dispersed flows in horizontal pipelines using bio-additives with energy analysis: Experimental and numerical investigations. Journal of Petroleum Science and Engineering, 2022, 211, 110142. | 2.1 | 2 |
| 6 | Numerical Investigation on Low-Salinity Augmented Microbial Flooding within a Sandstone Core for Enhanced Oil Recovery under Nonisothermal and pH Gradient Conditions. SPE Journal, 2022, 27, 2352-2389. | 1.7 | 1 |
| 7 | Numerical investigations of the PUGA geothermal reservoir with multistage hydraulic fractures and well patterns using fully coupled thermo-hydro-geomechanical modeling. Energy, 2022, 253, 124173. | 4.5 | 22 |
| 8 | One-dimensional heat distribution simulation in heavy oil reservoirs during steam flooding methods. , 2022, , . | | 0 |
| 9 | Investigating the degradation of nC12 to nC23 alkanes and PAHs in petroleum- contaminated water by electrochemical advanced oxidation process using an inexpensive Ti/Sb-SnO2/PbO2 anode. Chemical Engineering Journal, 2021, 404, 125268. | 6.6 | 40 |
| 10 | Influence of transient porosity in a coupled fracture-skin-matrix system at the scale of a single fracture. Environmental Science and Pollution Research, 2021, 28, 18632-18650. | 2.7 | 5 |
| 11 | Numerical modeling the injection of Super-Critical CO2 in non-dewatered coal bed methane formation. Journal of Petroleum Science and Engineering, 2021, 198, 108208. | 2.1 | 0 |
| 12 | Impact of coupling terms on the thermal transport mechanism in a fracture matrix coupled system. Modeling Earth Systems and Environment, 2021, 7, 417-432. | 1.9 | 1 |
| 13 | Remediation of Heavy Oil Transportation Problems via Pipelines Using Biodegradable Additives: An Experimental and Artificial Intelligence Approach. SPE Journal, 2021, 26, 1050-1071. | 1.7 | 2 |
| 14 | Experimental and statistical analysis of As(III) adsorption from contaminated water using activated red mud doped calcium-alginate beads. Environmental Technology (United Kingdom), 2021, 42, 1810-1825. | 1.2 | 22 |
| 15 | Evolution of hysteresis relative permeability of wetting brine phase using contact angle hysteresis in a partially saturated CO ₂ -brine system. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2021, 43, 1290-1306. | 1.2 | 2 |
| 16 | OIL SPILL IN A MARINE ENVIRONMENT: REQUIREMENTS FOLLOWING AN OFFSHORE OIL SPILL. Rudarsko Geolosko Naftni Zbornik, 2021, 36, 1-9. | 0.2 | 2 |
| 17 | Impact of Skin on the Movement of Nitrates in a Fractured Porous Media: Numerical Investigations. Arabian Journal for Science and Engineering, 2021, 46, 4811-4824. | 1.7 | 4 |
| 18 | Semi-analytic analysis and optimization of stress-dependent permeability model for the coal bed methane gas reservoir. Environmental Earth Sciences, 2021, 80, 1. | 1.3 | 3 |

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|----|---|-----|-----------|
| 19 | Numerical investigations on two-phase fluid flow in a fractured porous medium fully coupled with geomechanics. Journal of Petroleum Science and Engineering, 2021, 199, 108328. | 2.1 | 10 |
| 20 | Development and study of a visco-elastic gel with controlled destruction times for killing oil wells. Journal of King Saud University, Engineering Sciences, 2021, , . | 1.2 | 5 |
| 21 | Numerical Investigation on Low Salinity Augmented Microbial Flooding LSAMF within a Sandstone Core for Enhanced Oil Recovery Under Nonisothermal and Fluctuating pH Conditions. , 2021, , . | | 1 |
| 22 | Numerical investigations on a geothermal reservoir using fully coupled thermo-hydro-geomechanics with integrated RSM-machine learning and ARIMA models. Geothermics, 2021, 96, 102174. | 1.5 | 17 |
| 23 | Modelling of Organic Acid Transport in Unsaturated Subsurface System. Lecture Notes in Civil Engineering, 2021, , 25-35. | 0.3 | 0 |
| 24 | Confronting heterogeneous sorption and hydrodynamic dispersion on solute transport in a fracture-skin-matrix system using spatial moment analysis. Environmental Science and Pollution Research, 2021, , 1. | 2.7 | 0 |
| 25 | Development of Oil Spill Weathering Model for a Comparative Study and its Application in a Real-Time Spill. , 2021, , . | | 0 |
| 26 | Effective saturation-based weighting for interblock hydraulic conductivity in unsaturated zone soil water flow modelling using one-dimensional vertical finite-difference model. Journal of Hydroinformatics, 2020, 22, 423-439. | 1.1 | 0 |
| 27 | Chemical Affinity Modeling of Methane Hydrate Formation and Dissociation in the Presence of Surfactants. Energy & Fuels, 2020, 34, 319-331. | 2.5 | 13 |
| 28 | Sequential synergetic sorption analysis of <i>Gracilaria</i> Rhodophyta biochar toward aluminum and fluoride: A statistical optimization approach. Water Environment Research, 2020, 92, 880-898. | 1.3 | 19 |
| 29 | Influence of crucial reservoir properties and microbial kinetic parameters on enhanced oil recovery by microbial flooding under nonisothermal conditions: Mathematical modelling and numerical simulation. Journal of Petroleum Science and Engineering, 2020, 195, 107831. | 2.1 | 8 |
| 30 | Numerical Modeling on the Influence of Effective Porosity, Microbial Kinetics, and Operational Parameters on Enhanced Oil Recovery by Microbial Flooding Within a Sandstone Formation. SPE Journal, 2020, 25, 2932-2961. | 1.7 | 8 |
| 31 | Numerical Modelling the Stress Dependent Transitional Fluid Flow in Coal Bed Methane Reservoirs. , 2020, , . | | 0 |
| 32 | Human health risk assessment for exposure to BTEXN in an urban aquifer using deterministic and probabilistic methods: A case study of Chennai city, India. Environmental Pollution, 2020, 265, 114814. | 3.7 | 48 |
| 33 | Numerical Modeling on the Influence of Reservoir Porosity and Microbial Kinetics on Enhanced Oil Recovery by Microbial Flooding. , 2020, , . | | 2 |
| 34 | Numerical investigations on compressible non-linear fluid flow associated with a stress -sensitive fractured reservoir. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2020, , 1-20. | 1.2 | 1 |
| 35 | Simulating Scale Dependencies on Dispersive Mass Transfer in Porous Media Under Various Boundary Conditions. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2020, 44, 375-393. | 1.0 | 5 |
| 36 | A new trend function-based regression kriging for spatial modeling of groundwater hydraulic heads under the sparse distribution of measurement sites. Acta Geophysica, 2020, 68, 751-772. | 1.0 | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Numerical modelling of coupled single-phase fluid flow and geomechanics in a fractured porous media. Journal of Petroleum Science and Engineering, 2020, 191, 107215. | 2.1 | 10 |
| 38 | Numerical Modeling of Coupled Fluid Flow and Geomechanical Stresses in a Petroleum Reservoir. Journal of Energy Resources Technology, Transactions of the ASME, 2020, 142, . | 1.4 | 11 |
| 39 | Investigating reservoir stresses and strain effects during production from coal bed methane gas reservoir on reservoir properties and gas production – a numerical study. International Journal of Oil, Gas and Coal Technology, 2020, 25, 476. | 0.1 | 1 |
| 40 | Drilling Efficiency Improvement and Rate of Penetration Optimization by Machine Learning and Data Analytics. International Journal of Mathematical, Engineering and Management Sciences, 2020, 5, 381-394. | 0.4 | 5 |
| 41 | Investigating reservoir stresses and strain effects during production from coal bed methane gas reservoir on reservoir properties and gas production – a numerical study. International Journal of Oil, Gas and Coal Technology, 2020, 25, 476. | 0.1 | 0 |
| 42 | Soil organic amendments: impacts on sorption of organophosphate pesticides on an alluvial soil. Journal of Soils and Sediments, 2019, 19, 566-578. | 1.5 | 20 |
| 43 | Biodegradation kinetics of dichlorvos and chlorpyrifos by enriched bacterial cultures from an agricultural soil. Bioremediation Journal, 2019, 23, 259-276. | 1.0 | 14 |
| 44 | Numerical Experiments on Fate and Transport of Benzene with Biological Clogging in Vadoze Zone. Environmental Processes, 2019, 6, 841-858. | 1.7 | 9 |
| 45 | NUMERICAL MODELING OF REAL-TIME GAS INFLUX MIGRATION IN VERTICAL WELLBORES DURING DRILLING OPERATION. International Journal of Energy for A Clean Environment, 2019, 20, 95-111. | 0.6 | 4 |
| 46 | Removal of Hazardous Indigo Carmine Dye from Waste Water Using Treated Red Mud. Materials Today: Proceedings, 2019, 17, 198-208. | 0.9 | 31 |
| 47 | Improvement of Anti-Sag and Rheological Properties of Water Based Muds Using Nano-Barite. Materials Today: Proceedings, 2019, 17, 176-185. | 0.9 | 9 |
| 48 | Modeling Investigations on Sorption of Petroleum Hydrocarbons to Clay Minerals in a Saturated Porous Aquifer. Lecture Notes in Civil Engineering, 2019, , 997-1007. | 0.3 | 0 |
| 49 | Experimental and Numerical Investigations on In Situ Chemical Oxidation Model for Groundwater Contaminated with Petroleum Hydrocarbons. Lecture Notes in Civil Engineering, 2019, , 1009-1019. | 0.3 | 0 |
| 50 | Experimental and Correlation Development of Heavy Oil Viscosity Using Bio-Additives. Energy & Fuels, 2019, 33, 6313-6326. | 2.5 | 5 |
| 51 | A novel deseasonalized time series model with an improved seasonal estimate for groundwater level predictions. H2Open Journal, 2019, 2, 25-44. | 0.8 | 8 |
| 52 | An improved brine-relative permeability model with hysteresis and its significance to sequestered CO2 in a deep saline aquifer. Environmental Earth Sciences, 2019, 78, 1. | 1.3 | 9 |
| 53 | Numerical modeling on flow of groundwater energies in transient well capture zones. Environmental Earth Sciences, 2019, 78, 1. | 1.3 | 3 |
| 54 | Influence of bio-clogging induced formation damage on performance of microbial enhanced oil recovery processes. Fuel, 2019, 236, 100-109. | 3.4 | 18 |

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|----|---|-----|-----------|
| 55 | Co-colloidal BTEX and Microbial Transport in a Saturated Porous System: Numerical Modeling and Sensitivity Analysis. <i>Transport in Porous Media</i> , 2019, 127, 269-294. | 1.2 | 10 |
| 56 | Coupled Flow and Geomechanics Model for CO ₂ Storage in Tight Gas Reservoir. <i>Lecture Notes in Civil Engineering</i> , 2019, , 955-967. | 0.3 | 2 |
| 57 | Numerical Modelling on Enhanced Mobility of Petroleum Hydrocarbon in Saturated Porous Media. <i>Lecture Notes in Civil Engineering</i> , 2019, , 1021-1031. | 0.3 | 0 |
| 58 | Mathematical Modeling on Mobility and Spreading of BTEX in a Discretely Fractured Aquifer System Under the Coupled Effect of Dissolution, Sorption, and Biodegradation. <i>Transport in Porous Media</i> , 2018, 123, 421-452. | 1.2 | 6 |
| 59 | Modelling the influence of interaction between injection and formation brine salinities on in-situ microbial enhanced oil recovery processes by coupling of multiple-ion exchange transport model with multiphase fluid flow and multi-species reactive transport models. <i>Journal of Petroleum Science and Engineering</i> , 2018, 163, 435-452. | 2.1 | 14 |
| 60 | Multispecies Transport Modeling on Biodegradation of Benzene, Toluene, and Xylene in a Saturated Fracture-Matrix System with Multiple Electron Acceptors. <i>Environmental Engineering Science</i> , 2018, 35, 1096-1108. | 0.8 | 6 |
| 61 | Removal of lead and fluoride from contaminated water using exhausted coffee grounds based bio-sorbent. <i>Journal of Environmental Management</i> , 2018, 218, 602-612. | 3.8 | 63 |
| 62 | Numerical modeling of hyperbolic dominant transient fluid flow in saturated fractured rocks using Darcian approach. <i>Groundwater for Sustainable Development</i> , 2018, 7, 56-72. | 2.3 | 3 |
| 63 | Human health risk assessment of ground water contaminated with petroleum PAHs using Monte Carlo simulations: A case study of an Indian metropolitan city. <i>Journal of Environmental Management</i> , 2018, 205, 183-191. | 3.8 | 91 |
| 64 | Analyzing the flow of energies within the well capture zones under steady state conditions. <i>Groundwater for Sustainable Development</i> , 2018, 6, 134-140. | 2.3 | 2 |
| 65 | Colloid Transport in a Single Fracture-Matrix System: Gravity Effects, Influence of Colloid Size and Density. <i>Water (Switzerland)</i> , 2018, 10, 1531. | 1.2 | 8 |
| 66 | Numerical modelling on sorption kinetics of nitrogen species in wastewater-applied agricultural field. <i>Applied Water Science</i> , 2018, 8, 1. | 2.8 | 8 |
| 67 | Influence of Fracture Heterogeneity Using Linear Congruential Generator (LCG) on the Thermal Front Propagation in a Single Geothermal Fracture-Rock Matrix System. <i>Energies</i> , 2018, 11, 916. | 1.6 | 5 |
| 68 | Interaction of dissolution, sorption and biodegradation on transport of BTEX in a saturated groundwater system: Numerical modeling and spatial moment analysis. <i>Journal of Earth System Science</i> , 2018, 127, 1. | 0.6 | 9 |
| 69 | Spatial moment analysis of multispecies contaminant transport in porous media. <i>Environmental Engineering Research</i> , 2018, 23, 76-83. | 1.5 | 13 |
| 70 | Modeling the sensitivity of hydrogeological parameters associated with leaching of uranium transport in an unsaturated porous medium. <i>Environmental Engineering Research</i> , 2018, 23, 462-473. | 1.5 | 3 |
| 71 | Application of integrated petroleum reservoir study for intervention and field development program in western onshore field, India. <i>Egyptian Journal of Petroleum</i> , 2017, 26, 981-994. | 1.2 | 0 |
| 72 | A fully coupled flow and geomechanics model for a tight gas reservoir: Implications for compaction, subsidence and faulting. <i>Journal of Natural Gas Science and Engineering</i> , 2017, 38, 257-271. | 2.1 | 4 |

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|----|--|-----|-----------|
| 73 | Effect of random fracture aperture on the transport of colloids in a coupled fracture-matrix system. <i>Geosciences Journal</i> , 2017, 21, 55-69. | 0.6 | 3 |
| 74 | Accelerating Dissolution Trapping by Low Saline WAG Injection Scenario. <i>Energy Procedia</i> , 2017, 114, 5038-5047. | 1.8 | 7 |
| 75 | Analysis of sedimentary facies and depositional environments of Paleogene sequence of Cambay basin, India. <i>Journal of the Geological Society of India</i> , 2017, 90, 312-322. | 0.5 | 1 |
| 76 | Benzene Dissolution and Transport in a Saturated Sinusoidal Fracture with non-uniform Flow: Numerical Investigation and Sensitivity Analysis. <i>Environmental Processes</i> , 2017, 4, 587-601. | 1.7 | 4 |
| 77 | Modelling of mineral precipitation in fractures with variable aperture. <i>ISH Journal of Hydraulic Engineering</i> , 2017, 23, 203-211. | 1.1 | 1 |
| 78 | Influence of pH on dynamics of microbial enhanced oil recovery processes using biosurfactant producing <i>Pseudomonas putida</i> : Mathematical modelling and numerical simulation. <i>Bioresource Technology</i> , 2017, 224, 498-508. | 4.8 | 27 |
| 79 | Improved empirical relations for estimating original oil in place recovered during microbial enhanced oil recovery under varied salinity conditions. <i>Petroleum Science and Technology</i> , 2017, 35, 2036-2043. | 0.7 | 3 |
| 80 | Multi-component transport of BTX in a discretely fractured aquifer with fracture "skin": numerical investigation and sensitivity analysis. <i>Environmental Earth Sciences</i> , 2017, 76, 1. | 1.3 | 2 |
| 81 | Numerical modelling of forward in-situ combustion process in heavy oil reservoirs. <i>International Journal of Oil, Gas and Coal Technology</i> , 2017, 16, 43. | 0.1 | 4 |
| 82 | Impact of proppant diagenesis on shale gas productivity. <i>International Journal of Oil, Gas and Coal Technology</i> , 2017, 14, 147. | 0.1 | 2 |
| 83 | Numerical investigations on feasibility of surfactant enhanced remediation of polycyclic aromatic hydrocarbons in an unsaturated subsurface system beneath an onshore surface spill site. <i>International Journal of Environmental Technology and Management</i> , 2017, 20, 321. | 0.1 | 1 |
| 84 | Impact of proppant diagenesis on shale gas productivity. <i>International Journal of Oil, Gas and Coal Technology</i> , 2017, 14, 147. | 0.1 | 0 |
| 85 | Numerical modelling of forward in-situ combustion process in heavy oil reservoirs. <i>International Journal of Oil, Gas and Coal Technology</i> , 2017, 16, 43. | 0.1 | 2 |
| 86 | Numerical investigations on feasibility of surfactant enhanced remediation of polycyclic aromatic hydrocarbons in an unsaturated subsurface system beneath an onshore surface spill site. <i>International Journal of Environmental Technology and Management</i> , 2017, 20, 321. | 0.1 | 0 |
| 87 | Numerical Modeling of Gas Production from Fractured Shale Matrix Using Dual Porosity Approach. , 2017, , . | | 0 |
| 88 | Spatial moment analysis of solute transport with Langmuir sorption in a fracture "skin" matrix coupled system. <i>Journal of King Saud University, Engineering Sciences</i> , 2016, 28, 157-164. | 1.2 | 5 |
| 89 | Quad-porosity shale systems " a review. <i>World Journal of Engineering</i> , 2016, 13, 529-539. | 1.0 | 4 |
| 90 | Numerical modelling of biophysicochemical effects on multispecies reactive transport in porous media involving <i>Pseudomonas putida</i> for potential microbial enhanced oil recovery application. <i>Bioresource Technology</i> , 2016, 211, 348-359. | 4.8 | 14 |

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| 91 | Numerical modelling on fate and transport of coupled adsorption and biodegradation of pesticides in an unsaturated porous medium. <i>ISH Journal of Hydraulic Engineering</i> , 2016, 22, 236-246. | 1.1 | 6 |
| 92 | Numerical modeling on the sensitivity of directional dependent interface heat transfer on thermal transport in a coupled fracture-matrix system. <i>Geosciences Journal</i> , 2016, 20, 639-647. | 0.6 | 3 |
| 93 | Numerical Modeling on Benzene Dissolution into Groundwater and Transport of Dissolved Benzene in a Saturated Fracture-Matrix System. <i>Environmental Processes</i> , 2016, 3, 781-802. | 1.7 | 8 |
| 94 | Numerical investigations on pesticide fate and transport in an unsaturated porous medium for a coupled water and pesticide management. <i>Environmental Earth Sciences</i> , 2016, 75, 1. | 1.3 | 4 |
| 95 | Effect of compositional heterogeneity on dissolution of non-ideal LNAPL mixtures. <i>Journal of Contaminant Hydrology</i> , 2016, 194, 10-16. | 1.6 | 20 |
| 96 | Numerical investigation on effect of varying injection scenario and relative permeability hysteresis on CO ₂ dissolution in saline aquifer. <i>Environmental Earth Sciences</i> , 2016, 75, 1. | 1.3 | 7 |
| 97 | Effect of transverse forces on velocity of nanoparticles through a single fracture in a fractured petroleum reservoir. <i>International Journal of Oil, Gas and Coal Technology</i> , 2016, 12, 379. | 0.1 | 5 |
| 98 | Modelling the Coupled Effects of Temperature, Injection Rate and Microbial Kinetic Parameters on Oil Recovery by Microbial Flooding. , 2016, , . | | 3 |
| 99 | Modeling Coupled Effects of Dissolved Salts (Na ⁺ , K ⁺ , Mg ²⁺ , Ca ²⁺ , Cl ⁻ , SO ₄ ²⁻) Concentration on Multiphase Flow and Dissolution of CO ₂ in Saline Aquifer. , 2016, , . | | 1 |
| 100 | Temporal Moment Analysis of Multi-Species Radionuclide Transport in a Coupled Fracture-Skin-Matrix System with a Variable Fracture Aperture. <i>Environmental Modeling and Assessment</i> , 2016, 21, 547-562. | 1.2 | 10 |
| 101 | Colloidal Transport under Nonlinear Sorption in a Single Variable Fracture Aperture. , 2016, , 609-616. | | 0 |
| 102 | Numerical modelling on rate-limited dissolution mass transfer of entrapped petroleum hydrocarbons in a saturated sub-surface system. <i>ISH Journal of Hydraulic Engineering</i> , 2016, 22, 3-15. | 1.1 | 6 |
| 103 | Scenario-based modelling of mass transfer mechanisms at a petroleum contaminated field site-numerical implications. <i>Journal of Environmental Management</i> , 2016, 175, 9-19. | 3.8 | 9 |
| 104 | Mechanical Earth Modeling for a vertical well drilled in a naturally fractured tight carbonate gas reservoir in the Persian Gulf. <i>Journal of Petroleum Science and Engineering</i> , 2016, 141, 38-51. | 2.1 | 77 |
| 105 | Effect of sips sorption isotherm on contaminant transport mechanism in fractured porous media. <i>KSCE Journal of Civil Engineering</i> , 2016, 20, 1714-1720. | 0.9 | 4 |
| 106 | Numerical modeling of two species radionuclide transport in a single fracturematrix system with variable fracture aperture. <i>Geosciences Journal</i> , 2016, 20, 627-638. | 0.6 | 8 |
| 107 | Evaluation of Bio-surfactant on Microbial EOR Using Sand Packed Column. , 2016, , 121-128. | | 2 |
| 108 | Modelling Fluid Flow through Fractured Reservoirs: is it Different from Conventional Classical Porous Medium?. <i>Current Science</i> , 2016, 110, 695. | 0.4 | 0 |

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|-----|---|-----|-----------|
| 109 | Numerical Modelling of Microbial Enhanced Oil Recovery Process Under the Effect of Reservoir Temperature, pH and Microbial Sorption Kinetics. , 2015, , . | | 6 |
| 110 | Subsurface transport of nuclear wastes in the Indian subcontinent. ISH Journal of Hydraulic Engineering, 2015, 21, 162-176. | 1.1 | 4 |
| 111 | Numerical modelling and spatial moment analysis of solute transport with Langmuir sorption in a fracture matrix-coupled system. ISH Journal of Hydraulic Engineering, 2015, 21, 28-41. | 1.1 | 8 |
| 112 | Wettability Alteration in Carbonate Reservoirs Using Nanofluids. Petroleum Science and Technology, 2015, 33, 794-801. | 0.7 | 43 |
| 113 | Experimental and numerical investigations on nitrogen species transport in unsaturated soil during various irrigation patterns. Sadhana - Academy Proceedings in Engineering Sciences, 2015, 40, 2429-2455. | 0.8 | 9 |
| 114 | Numerical studies on kinetics of sorption and dissolution and their interactions for estimating mass removal of toluene from entrapped soil pores. Arabian Journal of Geosciences, 2015, 8, 6895-6910. | 0.6 | 13 |
| 115 | Viscoelastic Properties of Oil-in-Water (o/w) Pickering Emulsion Stabilized by Surfactantâ€“Polymer and Nanoparticleâ€“Surfactantâ€“Polymer Systems. Industrial & Engineering Chemistry Research, 2015, 54, 1576-1584. | 1.8 | 63 |
| 116 | Numerical modeling of biological clogging on transport of nitrate in an unsaturated porous media. Environmental Earth Sciences, 2015, 73, 3285-3298. | 1.3 | 22 |
| 117 | Numerical modelling on fate and transport of petroleum hydrocarbons in an unsaturated subsurface system for varying source scenario. Journal of Earth System Science, 2015, 124, 655-674. | 0.6 | 16 |
| 118 | Numerical Simulation of Heavy Crude Oil Combustion in Porous Combustion Tube. Combustion Science and Technology, 2015, 187, 1905-1921. | 1.2 | 8 |
| 119 | Thermal front propagation in variable aperture fractureâ€“matrix system: A numerical study. Sadhana - Academy Proceedings in Engineering Sciences, 2015, 40, 605-622. | 0.8 | 13 |
| 120 | A Numerical Study on Phase Behavior Effects in Enhanced Oil Recovery by In situ Combustion. Petroleum Science and Technology, 2015, 33, 353-362. | 0.7 | 15 |
| 121 | Weathering of Oil Spill: Modeling and Analysis. Aquatic Procedia, 2015, 4, 435-442. | 0.9 | 71 |
| 122 | Comparative effectiveness of production performance of Pickering emulsion stabilized by nanoparticleâ€“surfactantâ€“polymer over surfactantâ€“polymer (SP) flooding for enhanced oil recovery for Brownfield reservoir. Journal of Petroleum Science and Engineering, 2015, 129, 221-232. | 2.1 | 97 |
| 123 | Effect of nonlinear sorption on multispecies radionuclide transport in a coupled fracture-matrix system with variable fracture aperture: a numerical study. ISH Journal of Hydraulic Engineering, 2015, 21, 242-254. | 1.1 | 5 |
| 124 | Numerical modeling of reactive solute transport in a single fracture with matrix diffusion under complex boundary condition. ISH Journal of Hydraulic Engineering, 2015, 21, 125-141. | 1.1 | 0 |
| 125 | Thermal stability of oil-in-water Pickering emulsion in the presence of nanoparticle, surfactant, and polymer. Journal of Industrial and Engineering Chemistry, 2015, 22, 324-334. | 2.9 | 147 |
| 126 | Impact of dynamic slippage on productivity of shale reservoirs. World Journal of Engineering, 2015, 12, 443-451. | 1.0 | 3 |

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|-----|---|-----|-----------|
| 127 | Numerical modelling of multicomponent LNAPL dissolution kinetics at residual saturation in a saturated subsurface system. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2014, 39, 1387-1408. | 0.8 | 8 |
| 128 | Mathematical modelling on transport of petroleum hydrocarbons in saturated fractured rocks. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2014, 39, 1119-1139. | 0.8 | 8 |
| 129 | Simulation and Mathematical Modeling of Stimulated Shale Gas Reservoirs. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 19788-19805. | 1.8 | 19 |
| 130 | Enhanced oil recovery using oil-in-water (o/w) emulsion stabilized by nanoparticle, surfactant and polymer in the presence of NaCl. <i>Geosystem Engineering</i> , 2014, 17, 195-205. | 0.7 | 53 |
| 131 | Viscosity of the oil-in-water Pickering emulsion stabilized by surfactant-polymer and nanoparticle-surfactant-polymer system. <i>Korea Australia Rheology Journal</i> , 2014, 26, 377-387. | 0.7 | 55 |
| 132 | Mathematical Modeling of Groundwater Flow and Solute Transport in Saturated Fractured Rock Using a Dual-Porosity Approach. <i>Journal of Hydrologic Engineering - ASCE</i> , 2014, 19, . | 0.8 | 28 |
| 133 | Effect of fracture-skin formation in clay fractured porous media. <i>ISH Journal of Hydraulic Engineering</i> , 2014, 20, 263-273. | 1.1 | 6 |
| 134 | Numerical Modeling on the Effect of Dissolved Oxygen on Nitrogen Transformation and Transport in Unsaturated Porous System. <i>Environmental Modeling and Assessment</i> , 2014, 19, 283-299. | 1.2 | 19 |
| 135 | Lower order spatial moments for colloidal transport in a fracture-matrix coupled system. <i>ISH Journal of Hydraulic Engineering</i> , 2014, 20, 200-211. | 1.1 | 3 |
| 136 | Numerical modelling of enhanced oil recovery by microbial flooding under non-isothermal conditions. <i>Journal of Petroleum Science and Engineering</i> , 2014, 124, 161-172. | 2.1 | 28 |
| 137 | Numerical modelling on transport of nitrogen from wastewater and fertilizer applied on paddy fields. <i>Ecological Modelling</i> , 2014, 278, 85-99. | 1.2 | 22 |
| 138 | Temporal moment analysis of solute transport in a coupled fracture-skin-matrix system. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2014, 39, 487-509. | 0.8 | 11 |
| 139 | Numerical study on kinetic/equilibrium behaviour of dissolution of toluene under variable subsurface conditions. <i>European Journal of Environmental and Civil Engineering</i> , 2014, 18, 1070-1093. | 1.0 | 12 |
| 140 | Production and Characterization of Biosurfactant by <i>Pseudomonas putida</i> MTCC 2467. <i>Journal of Biological Sciences</i> , 2014, 14, 436-445. | 0.1 | 36 |
| 141 | Numerical modelling on fate and transport of nitrate in an unsaturated system under non-isothermal condition. <i>European Journal of Environmental and Civil Engineering</i> , 2013, 17, 350-373. | 1.0 | 19 |
| 142 | Numerical modelling of fluid flow through unsaturated zone using a dual-porosity approach. <i>ISH Journal of Hydraulic Engineering</i> , 2013, 19, 97-110. | 1.1 | 2 |
| 143 | Numerical Modeling and Spatial Moment Analysis of Solute Mobility and Spreading in a Coupled Fracture-Skin-Matrix System. <i>Geotechnical and Geological Engineering</i> , 2012, 30, 1289-1302. | 0.8 | 23 |
| 144 | Evolution of fracture permeability due to co-colloidal bacterial transport in a coupled fracture-skin-matrix system. <i>Geoscience Frontiers</i> , 2012, 3, 503-514. | 4.3 | 23 |

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|-----|--|-----|-----------|
| 145 | Effect of fracture-skin on virus transport in fractured porous media. <i>Geoscience Frontiers</i> , 2012, 3, 893-900. | 4.3 | 10 |
| 146 | Numerical modeling of bacteria facilitated contaminant transport in fractured porous media. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 387, 104-112. | 2.3 | 15 |
| 147 | Numerical Modeling and Spatial Moment Analysis of Thermal Fronts in a Coupled Fracture-Skin-Matrix System. <i>Geotechnical and Geological Engineering</i> , 2011, 29, 477-491. | 0.8 | 20 |
| 148 | Radionuclide and colloid co-transport in a coupled fracture-skin-matrix system. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 370, 49-57. | 2.3 | 31 |
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