# G Suresh Kumar

List of Publications by Year
in descending order

| 163 | 2,278 | 236612 | 288905 |
|-----|-------|--------|--------|
| papers | citations | 25 | 40 |
| | | h-index | g-index |

| 165 | 165 | 165 | 1734 |
|-----|-----|-----|------|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | 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 |
| 2 | Comparative effectiveness of production performance of Pickering emulsion stabilized by nanoparticleâ€"surfactantâ€"polymerover surfactantâ€"polymer (SP) flooding for enhanced oil recoveryfor Brownfield reservoir. Journal of Petroleum Science and Engineering, 2015, 129, 221-232. | 2.1 | 97 |
| 3 | Human health risk assessment of ground water contaminated with petroleum PAHs using Monte Carlo simulations: A case study of an Indian metropolitan city. Journal of Environmental Management, 2018, 205, 183-191. | 3.8 | 91 |
| 4 | Changes in fracture aperture and fluid pressure due to thermal stress and silica dissolution/precipitation induced by heat extraction from subsurface rocks. Geothermics, 2007, 36, 115-140. | 1.5 | 80 |
| 5 | Mechanical Earth Modeling for a vertical well drilled in a naturally fractured tight carbonate gas reservoir in the Persian Gulf. Journal of Petroleum Science and Engineering, 2016, 141, 38-51. | 2.1 | 77 |
| 6 | Weathering of Oil Spill: Modeling and Analysis. Aquatic Procedia, 2015, 4, 435-442. | 0.9 | 71 |
| 7 | Viscoelastic Properties of Oil-in-Water (o/w) Pickering Emulsion Stabilized by Surfactantâ€"Polymer and Nanoparticleâ€"Surfactantâ€"Polymer Systems. Industrial &amp; Engineering Chemistry Research, 2015, 54, 1576-1584. | 1.8 | 63 |
| 8 | Removal of lead and fluoride from contaminated water using exhausted coffee grounds based bio-sorbent. Journal of Environmental Management, 2018, 218, 602-612. | 3.8 | 63 |
| 9 | Viscosity of the oil-in-water Pickering emulsion stabilized by surfactant-polymer and nanoparticle-surfactant-polymer system. Korea Australia Rheology Journal, 2014, 26, 377-387. | 0.7 | 55 |
| 10 | Enhanced oil recovery using oil-in-water (o/w) emulsion stabilized by nanoparticle, surfactant and polymer in the presence of NaCl. Geosystem Engineering, 2014, 17, 195-205. | 0.7 | 53 |
| 11 | Numerical modeling of non-isothermal quartz dissolution/precipitation in a coupled fractureâ€"matrix system. Geothermics, 2005, 34, 411-439. | 1.5 | 49 |
| 12 | 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 |
| 13 | Wettability Alteration in Carbonate Reservoirs Using Nanofluids. Petroleum Science and Technology, 2015, 33, 794-801. | 0.7 | 43 |
| 14 | Effect of sorption intensities on dispersivity and macro-dispersion coefficient in a single fracture with matrix diffusion. Hydrogeology Journal, 2008, 16, 235-249. | 0.9 | 42 |
| 15 | 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 |
| 16 | Production and Characterization of Biosurfactant by Pseudomonas putida MTCC 2467. Journal of Biological Sciences, 2014, 14, 436-445. | 0.1 | 36 |
| 17 | Spatial Moment Analysis for Transport of Nonreactive Solutes in Fracture-Matrix System. Journal of Hydrologic Engineering - ASCE, 2005, 10, 192-199. | 0.8 | 33 |
| 18 | Numerical Modeling and Analysis of Solute Velocity and Macrodispersion for Linearly and Nonlinearly Sorbing Solutes in a Single Fracture with Matrix Diffusion. Journal of Hydrologic Engineering - ASCE, 2006, 11, 319-328. | 0.8 | 31 |

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|---|---------|----|-----------|
| 19 | Radionuclide and colloid co-transport in a coupled fracture-skin-matrix system. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 370, 49-57. | 2.3 | 31 |
| 20 | Removal of Hazardous Indigo Carmine Dye from Waste Water Using Treated Red Mud. Materials Today: Proceedings, 2019, 17, 198-208. | 0.9 | 31 |
| 21 | Time-Dependent Dispersivity of Linearly Sorbing Solutes in a Single Fracture with Matrix Diffusion. Journal of Hydrologic Engineering - ASCE, 2008, 13, 250-257. | 0.8 | 30 |
| 22 | Mathematical Modeling of Groundwater Flow and Solute Transport in Saturated Fractured Rock Using a Dual-Porosity Approach. Journal of Hydrologic Engineering - ASCE, 2014, 19, . | 0.8 | 28 |
| 23 | Numerical modelling of enhanced oil recovery by microbial flooding under non-isothermal conditions. Journal of Petroleum Science and Engineering, 2014, 124, 161-172. | 2.1 | 28 |
| 24 | Influence of Sorption Intensity on Solute Mobility in a Fractured Formation. Journal of Environmental Engineering, ASCE, 2009, 135, 1-7. | 0.7 | 27 |
| 25 | Influence of pH on dynamics of microbial enhanced oil recovery processes using biosurfactant producing Pseudomonas putida: Mathematical modelling and numerical simulation. Bioresource Technology, 2017, 224, 498-508. | 4.8 | 27 |
| 26 | Modelling Transport of Linearly Sorbing Solutes in a Single Fracture: Asymptotic Behavior of Solute Velocity and Dispersivity. Geotechnical and Geological Engineering, 2006, 24, 183-201. | 0.8 | 24 |
| 27 | 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 |
| 28 | Numerical Modeling and Spatial Moment Analysis of Solute Mobility and Spreading in a Coupled Fracture-Skin-Matrix System. Geotechnical and Geological Engineering, 2012, 30, 1289-1302. | 0.8 | 23 |
| 29 | Evolution of fracture permeability due to co-colloidal bacterial transport in a coupled fracture-skin-matrix system. Geoscience Frontiers, 2012, 3, 503-514. | 4.3 | 23 |
| 30 | Numerical modelling on transport of nitrogen from wastewater and fertilizer applied on paddy fields. Ecological Modelling, 2014, 278, 85-99. | 1.2 | 22 |
| 31 | Numerical modeling of biological clogging on transport of nitrate in an unsaturated porous media. Environmental Earth Sciences, 2015, 73, 3285-3298. | 1.3 | 22 |
| 32 | 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 |
| 33 | 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 |
| 34 | Numerical Modeling and Spatial Moment Analysis of Thermal Fronts in a Coupled Fracture-Skin-Matrix System. Geotechnical and Geological Engineering, 2011, 29, 477-491. | 0.8 | 20 |
| 35 | Effect of compositional heterogeneity on dissolution of non-ideal LNAPL mixtures. Journal of Contaminant Hydrology, 2016, 194, 10-16. | 1.6 | 20 |
| 36 | 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 |

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| 37 | Numerical modelling on fate and transport of nitrate in an unsaturated system under non-isothermal condition. European Journal of Environmental and Civil Engineering, 2013, 17, 350-373. | 1.0 | 19 |
| 38 | Simulation and Mathematical Modeling of Stimulated Shale Gas Reservoirs. Industrial &amp; Engineering Chemistry Research, 2014, 53, 19788-19805. | 1.8 | 19 |
| 39 | Numerical Modeling on the Effect of Dissolved Oxygen on Nitrogen Transformation and Transport in Unsaturated Porous System. Environmental Modeling and Assessment, 2014, 19, 283-299. | 1.2 | 19 |
| 40 | 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 |
| 41 | Influence of bio-clogging induced formation damage on performance of microbial enhanced oil recovery processes. Fuel, 2019, 236, 100-109. | 3.4 | 18 |
| 42 | 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 |
| 43 | 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 |
| 44 | Numerical modeling of bacteria facilitated contaminant transport in fractured porous media. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 387, 104-112. | 2.3 | 15 |
| 45 | 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 |
| 46 | Numerical modelling of biophysicochemical effects on multispecies reactive transport in porous media involving Pseudomonas putida for potential microbial enhanced oil recovery application. Bioresource Technology, 2016, 211, 348-359. | 4.8 | 14 |
| 47 | 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. Journal of Petroleum Science and Engineering, 2018, 163, 435-452. | 2.1 | 14 |
| 48 | Biodegradation kinetics of dichlorvos and chlorpyrifos by enriched bacterial cultures from an agricultural soil. Bioremediation Journal, 2019, 23, 259-276. | 1.0 | 14 |
| 49 | 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 |
| 50 | Thermal front propagation in variable aperture fracture–matrix system: A numerical study. Sadhana - Academy Proceedings in Engineering Sciences, 2015, 40, 605-622. | 0.8 | 13 |
| 51 | Chemical Affinity Modeling of Methane Hydrate Formation and Dissociation in the Presence of Surfactants. Energy &amp; Fuels, 2020, 34, 319-331. | 2.5 | 13 |
| 52 | Spatial moment analysis of multispecies contaminant transport in porous media. Environmental Engineering Research, 2018, 23, 76-83. | 1.5 | 13 |
| 53 | Numerical study on kinetic/equilibrium behaviour of dissolution of toluene under variable subsurface conditions. European Journal of Environmental and Civil Engineering, 2014, 18, 1070-1093. | 1.0 | 12 |
| 54 | Temporal moment analysis of solute transport in a coupled fracture-skin-matrix system. Sadhana - Academy Proceedings in Engineering Sciences, 2014, 39, 487-509. | 0.8 | 11 |

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| 55 | 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 |
| 56 | Effect of fracture-skin on virus transport in fractured porous media. Geoscience Frontiers, 2012, 3, 893-900. | 4.3 | 10 |
| 57 | Temporal Moment Analysis of Multi-Species Radionuclide Transport in a Coupled Fracture-Skin-Matrix System with a Variable Fracture Aperture. Environmental Modeling and Assessment, 2016, 21, 547-562. | 1.2 | 10 |
| 58 | Co-colloidal BTEX and Microbial Transport in a Saturated Porous System: Numerical Modeling and Sensitivity Analysis. Transport in Porous Media, 2019, 127, 269-294. | 1.2 | 10 |
| 59 | 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 |
| 60 | 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 |
| 61 | 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 |
| 62 | Scenario-based modelling of mass transfer mechanisms at a petroleum contaminated field site-numerical implications. Journal of Environmental Management, 2016, 175, 9-19. | 3.8 | 9 |
| 63 | Interaction of dissolution, sorption and biodegradation on transport of BTEX in a saturated groundwater system: Numerical modeling and spatial moment analysis. Journal of Earth System Science, 2018, 127, 1. | 0.6 | 9 |
| 64 | Numerical Experiments on Fate and Transport of Benzene with Biological Clogging in Vadoze Zone. Environmental Processes, 2019, 6, 841-858. | 1.7 | 9 |
| 65 | Improvement of Anti-Sag and Rheological Properties of Water Based Muds Using Nano-Barite. Materials Today: Proceedings, 2019, 17, 176-185. | 0.9 | 9 |
| 66 | An improved brine-relative permeability model with hysteresis and its significance to sequestrated CO2 in a deep saline aquifer. Environmental Earth Sciences, 2019, 78, 1. | 1.3 | 9 |
| 67 | Numerical modelling of multicomponent LNAPL dissolution kinetics at residual saturation in a saturated subsurface system. Sadhana - Academy Proceedings in Engineering Sciences, 2014, 39, 1387-1408. | 0.8 | 8 |
| 68 | Mathematical modelling on transport of petroleum hydrocarbons in saturated fractured rocks. Sadhana - Academy Proceedings in Engineering Sciences, 2014, 39, 1119-1139. | 0.8 | 8 |
| 69 | 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 |
| 70 | Numerical Simulation of Heavy Crude Oil Combustion in Porous Combustion Tube. Combustion Science and Technology, 2015, 187, 1905-1921. | 1.2 | 8 |
| 71 | Numerical Modeling on Benzene Dissolution into Groundwater and Transport of Dissolved Benzene in a Saturated Fracture-Matrix System. Environmental Processes, 2016, 3, 781-802. | 1.7 | 8 |
| 72 | Numerical modeling of two species radionuclide transport in a single fracturematrix system with variable fracture aperture. Geosciences Journal, 2016, 20, 627-638. | 0.6 | 8 |

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| 73 | Colloid Transport in a Single Fracture–Matrix System: Gravity Effects, Influence of Colloid Size and Density. Water (Switzerland), 2018, 10, 1531. | 1.2 | 8 |
| 74 | Numerical modelling on sorption kinetics of nitrogen species in wastewater-applied agricultural field. Applied Water Science, 2018, 8, 1. | 2.8 | 8 |
| 75 | A novel deseasonalized time series model with an improved seasonal estimate for groundwater level predictions. H2Open Journal, 2019, 2, 25-44. | 0.8 | 8 |
| 76 | 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 |
| 77 | 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 |
| 78 | A Comprehensive Analysis on Thermal and Kinetic Aspects of <i>In Situ</i> Combustion: Numerical Approach. Applied Mechanics and Materials, 0, 592-594, 1393-1397. | 0.2 | 7 |
| 79 | Numerical investigation on effect of varying injection scenario and relative permeability hysteresis on CO2 dissolution in saline aquifer. Environmental Earth Sciences, 2016, 75, 1. | 1.3 | 7 |
| 80 | Accelerating Dissolution Trapping by Low Saline WAG Injection Scenario. Energy Procedia, 2017, 114, 5038-5047. | 1.8 | 7 |
| 81 | Spatial Moment Analysis for One-Dimensional Nonisothermal Quartz Transport and Dissolution/Precipitation in Fracture-Matrix System. Journal of Hydrologic Engineering - ASCE, 2006, 11, 338-346. | 0.8 | 6 |
| 82 | Effect of fracture-skin formation in clay fractured porous media. ISH Journal of Hydraulic Engineering, 2014, 20, 263-273. | 1.1 | 6 |
| 83 | Numerical Modelling of Microbial Enhanced Oil Recovery Process Under the Effect of Reservoir Temperature, pH and Microbial Sorption Kinetics. , 2015, , . | | 6 |
| 84 | Numerical modelling on fate and transport of coupled adsorption and biodegradation of pesticides in an unsaturated porous medium. ISH Journal of Hydraulic Engineering, 2016, 22, 236-246. | 1.1 | 6 |
| 85 | Numerical modelling on rate-limited dissolution mass transfer of entrapped petroleum hydrocarbons in a saturated sub-surface system. ISH Journal of Hydraulic Engineering, 2016, 22, 3-15. | 1.1 | 6 |
| 86 | Mathematical Modeling on Mobility and Spreading of BTEX in a Discretely Fractured Aquifer System Under the Coupled Effect of Dissolution, Sorption, and Biodegradation. Transport in Porous Media, 2018, 123, 421-452. | 1.2 | 6 |
| 87 | Multispecies Transport Modeling on Biodegradation of Benzene, Toluene, and Xylene in a Saturated Fracture–Matrix System with Multiple Electron Acceptors. Environmental Engineering Science, 2018, 35, 1096-1108. | 0.8 | 6 |
| 88 | 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 |
| 89 | Spatial moment analysis of solute transport with Langmuir sorption in a fracture–skin–matrix coupled system. Journal of King Saud University, Engineering Sciences, 2016, 28, 157-164. | 1.2 | 5 |
| 90 | Effect of transverse forces on velocity of nanoparticles through a single fracture in a fractured petroleum reservoir. International Journal of Oil, Gas and Coal Technology, 2016, 12, 379. | 0.1 | 5 |

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| 91 | Influence of Fracture Heterogeneity Using Linear Congruential Generator (LCG) on the Thermal Front Propagation in a Single Geothermal Fracture-Rock Matrix System. Energies, 2018, 11, 916. | 1.6 | 5 |
| 92 | Experimental and Correlation Development of Heavy Oil Viscosity Using Bio-Additives. Energy &amp; Fuels, 2019, 33, 6313-6326. | 2.5 | 5 |
| 93 | 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 |
| 94 | 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 |
| 95 | 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 |
| 96 | 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 |
| 97 | Subsurface transport of nuclear wastes in the Indian subcontinent. ISH Journal of Hydraulic Engineering, 2015, 21, 162-176. | 1.1 | 4 |
| 98 | Quad-porosity shale systems â€" a review. World Journal of Engineering, 2016, 13, 529-539. | 1.0 | 4 |
| 99 | Numerical investigations on pesticide fate and transport in an unsaturated porous medium for a coupled water and pesticide management. Environmental Earth Sciences, 2016, 75, 1. | 1.3 | 4 |
| 100 | Effect of sips sorption isotherm on contaminant transport mechanism in fractured porous media. KSCE Journal of Civil Engineering, 2016, 20, 1714-1720. | 0.9 | 4 |
| 101 | A fully coupled flow and geomechanics model for a tight gas reservoir: Implications for compaction, subsidence and faulting. Journal of Natural Gas Science and Engineering, 2017, 38, 257-271. | 2.1 | 4 |
| 102 | Benzene Dissolution and Transport in a Saturated Sinusoidal Fracture with non-uniform Flow: Numerical Investigation and Sensitivity Analysis. Environmental Processes, 2017, 4, 587-601. | 1.7 | 4 |
| 103 | Numerical modelling of forward in-situ combustion process in heavy oil reservoirs. International Journal of Oil, Gas and Coal Technology, 2017, 16, 43. | 0.1 | 4 |
| 104 | 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 |
| 105 | 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 |
| 106 | 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 |
| 107 | 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 |
| 108 | Lower order spatial moments for colloidal transport in a fracture-matrix coupled system. ISH Journal of Hydraulic Engineering, 2014, 20, 200-211. | 1.1 | 3 |

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| 109 | Numerical modeling on the sensitivity of directional dependent interface heat transfer on thermal transport in a coupled fracture-matrix system. Geosciences Journal, 2016, 20, 639-647. | 0.6 | 3 |
| 110 | Modelling the Coupled Effects of Temperature, Injection Rate and Microbial Kinetic Parameters on Oil Recovery by Microbial Flooding. , 2016, , . | | 3 |
| 111 | Effect of random fracture aperture on the transport of colloids in a coupled fracture-matrix system. Geosciences Journal, 2017, 21, 55-69. | 0.6 | 3 |
| 112 | Improved empirical relations for estimating original oil in place recovered during microbial enhanced oil recovery under varied salinity conditions. Petroleum Science and Technology, 2017, 35, 2036-2043. | 0.7 | 3 |
| 113 | Numerical modeling of hyperbolic dominant transient fluid flow in saturated fractured rocks using Darcian approach. Groundwater for Sustainable Development, 2018, 7, 56-72. | 2.3 | 3 |
| 114 | Numerical modeling on flow of groundwater energies in transient well capture zones. Environmental Earth Sciences, 2019, 78, 1. | 1.3 | 3 |
| 115 | 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 |
| 116 | Aquifer heterogeneity onâwell capture zone andâsolute transport: numerical investigations with spatial moment analysis. International Journal of Environmental Science and Technology, 0, , 1. | 1.8 | 3 |
| 117 | Impact of dynamic slippage on productivity of shale reservoirs. World Journal of Engineering, 2015, 12, 443-451. | 1.0 | 3 |
| 118 | Modeling the sensitivity of hydrogeological parameters associated with leaching of uranium transport in an unsaturated porous medium. Environmental Engineering Research, 2018, 23, 462-473. | 1.5 | 3 |
| 119 | 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 |
| 120 | Numerical modelling of fluid flow through unsaturated zone using a dual-porosity approach. ISH Journal of Hydraulic Engineering, 2013, 19, 97-110. | 1.1 | 2 |
| 121 | Transfer function noise modelling of groundwater level fluctuation using threshold rainfall-based binary-weighted parameter estimation approach. Hydrological Sciences Journal, 0, , 1-14. | 1.2 | 2 |
| 122 | Multi-component transport of BTX in a discretely fractured aquifer with fractureâ€"skin: numerical investigation and sensitivity analysis. Environmental Earth Sciences, 2017, 76, 1. | 1.3 | 2 |
| 123 | Impact of proppant diagenesis on shale gas productivity. International Journal of Oil, Gas and Coal Technology, 2017, 14, 147. | 0.1 | 2 |
| 124 | Analyzing the flow of energies within the well capture zones under steady state conditions. Groundwater for Sustainable Development, 2018, 6, 134-140. | 2.3 | 2 |
| 125 | Numerical Modeling on the Influence of Reservoir Porosity and Microbial Kinetics on Enhanced Oil Recovery by Microbial Flooding. , 2020, , . | | 2 |
| 126 | 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 |

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|---|---------|-----|-----------|
| 127 | 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 |
| 128 | OIL SPILL IN A MARINE ENVIRONMENT: REQUIREMENTS FOLLOWING AN OFFSHORE OIL SPILL. Rudarsko Geolosko Naftni Zbornik, 2021, 36, 1-9. | 0.2 | 2 |
| 129 | Evaluation of Bio-surfactant on Microbial EOR Using Sand Packed Column. , 2016, , 121-128. | | 2 |
| 130 | Coupled Flow and Geomechanics Model for CO2 Storage in Tight Gas Reservoir. Lecture Notes in Civil Engineering, 2019, , 955-967. | 0.3 | 2 |
| 131 | Numerical modelling of forward in-situ combustion process in heavy oil reservoirs. International Journal of Oil, Gas and Coal Technology, 2017, 16, 43. | 0.1 | 2 |
| 132 | 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 |
| 133 | Modeling Coupled Effects of Dissolved Salts (Na+, K+, Mg2+, Ca2+, Cl-, SO42-) Concentration on Multiphase Flow and Dissolution of CO2 in Saline Aquifer. , 2016, , . | | 1 |
| 134 | Analysis of sedimentary facies and depositional environments of Paleogene sequence of Cambay basin, India. Journal of the Geological Society of India, 2017, 90, 312-322. | 0.5 | 1 |
| 135 | Modelling of mineral precipitation in fractures with variable aperture. ISH Journal of Hydraulic Engineering, 2017, 23, 203-211. | 1.1 | 1 |
| 136 | Numerical investigations on feasibility of surfactant enhanced remediation of polycyclic aromatic hydrocarbons in an unsaturated subsurface system beneath an onshore surface spill site. International Journal of Environmental Technology and Management, 2017, 20, 321. | 0.1 | 1 |
| 137 | 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 |
| 138 | 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 |
| 139 | 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 |
| 140 | Investigating reservoir stresses and strain effects during production from coal bed methane gas reservoir on reservoir properties and gas production â€" a numerical study. International Journal of Oil, Gas and Coal Technology, 2020, 25, 476. | 0.1 | 1 |
| 141 | Numerical modeling of colloid-assisted BTEX transport in a saturated fractured aquifer. Environmental Earth Sciences, 2022, 81, 1. | 1.3 | 1 |
| 142 | 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 |
| 143 | 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 |
| 144 | Colloidal Transport under Nonlinear Sorption in a Single Variable Fracture Aperture. , 2016, , 609-616. | | 0 |

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| 145 | Application of integrated petroleum reservoir study for intervention and field development program in western onshore field, India. Egyptian Journal of Petroleum, 2017, 26, 981-994. | 1.2 | 0 |
| 146 | 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 |
| 147 | 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 |
| 148 | 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 |
| 149 | Numerical Modelling the Stress Dependent Transitional Fluid Flow in Coal Bed Methane Reservoirs. , 2020, , . | | 0 |
| 150 | Weighted Spacer Design for Elevated Temperature Conditions to Mitigate Barite Settling by Identifying Suitable Viscosifier. Key Engineering Materials, 0, 846, 282-288. | 0.4 | 0 |
| 151 | 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 |
| 152 | Sensitivity analysis of inflow boundary conditions on solute transport modeling using M5â€² model trees. Modeling Earth Systems and Environment, 0, , 1. | 1.9 | 0 |
| 153 | Comparison of Supercritical CO$_2$ with Water as Geofluid in Geothermal Reservoirs with Numerical Investigation Using Fully Coupled Thermo-Hydro-Geomechanics. SSRN Electronic Journal, 0, , . | 0.4 | 0 |
| 154 | Modelling Fluid Flow through Fractured Reservoirs: is it Different from Conventional Classical Porous Medium?. Current Science, 2016, 110, 695. | 0.4 | 0 |
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