

Kyuro Sasaki

List of Publications by Year in descending order

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181
papers

2,678
citations

257450

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183
all docs

183
docs citations

183
times ranked

2167
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Structure of a turbulent separation bubble. Journal of Fluid Mechanics, 1983, 137, 83-113. | 3.4 | 448 |
| 2 | Structure of large-scale vortices and unsteady reverse flow in the reattaching zone of a turbulent separation bubble. Journal of Fluid Mechanics, 1985, 154, 463-491. | 3.4 | 247 |
| 3 | Discrete-vortex simulation of a turbulent separation bubble. Journal of Fluid Mechanics, 1982, 120, 219-244. | 3.4 | 120 |
| 4 | Developing the geothermal resources map of Iran. Geothermics, 2010, 39, 140-151. | 3.4 | 86 |
| 5 | Application of artificial neural network for predicting the performance of CO ₂ enhanced oil recovery and storage in residual oil zones. Scientific Reports, 2020, 10, 18204. | 3.3 | 67 |
| 6 | Carbon dioxide gas permeability of coal core samples and estimation of fracture aperture width. International Journal of Coal Geology, 2010, 83, 1-10. | 5.0 | 64 |
| 7 | Multi-Fuel Capability of Solid Oxide Fuel Cells. Journal of Electroceramics, 2004, 13, 669-675. | 2.0 | 62 |
| 8 | Three-Dimensional Vortex Structure in a Leading-Edge Separation Bubble at Moderate Reynolds Numbers. Journal of Fluids Engineering, Transactions of the ASME, 1991, 113, 405-410. | 1.5 | 61 |
| 9 | Experimental Modeling of the SAGD Process - Enhancing SAGD Performance with Periodic Stimulation of the Horizontal Producer. SPE Journal, 2001, 6, 89-97. | 3.1 | 49 |
| 10 | Assessment of air dispersion characteristic in underground mine ventilation: Field measurement and numerical evaluation. Chemical Engineering Research and Design, 2015, 93, 173-181. | 5.6 | 47 |
| 11 | The correlation between coal swelling and permeability during CO ₂ sequestration: A case study using Kushiro low rank coals. International Journal of Coal Geology, 2016, 166, 62-70. | 5.0 | 45 |
| 12 | Impact of a new geological modelling method on the enhancement of the CO ₂ storage assessment of E sequence of Nam Vang field, offshore Vietnam. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2020, 42, 1499-1512. | 2.3 | 45 |
| 13 | The effect of megascopic texture on swelling of a low rank coal in supercritical carbon dioxide. International Journal of Coal Geology, 2014, 125, 45-56. | 5.0 | 43 |
| 14 | Swelling and Viscosity Reduction of Heavy Oil by CO ₂ -Gas Foaming in Immiscible Condition. SPE Reservoir Evaluation and Engineering, 2016, 19, 294-304. | 1.8 | 41 |
| 15 | Negative ion production and beam extraction processes in a large ion source (invited). Review of Scientific Instruments, 2016, 87, 02B936. | 1.3 | 33 |
| 16 | Gas Production System From Methane Hydrate Layers by Hot Water Injection Using Dual Horizontal Wells. Journal of Canadian Petroleum Technology, 2009, 48, 21-26. | 2.3 | 32 |
| 17 | Interactions between Formation Rock and Petroleum Fluids during Microemulsion Flooding and Alteration of Heavy Oil Recovery Performance. Energy & Fuels, 2017, 31, 255-270. | 5.1 | 32 |
| 18 | Degradation of Solid Oxide Fuel Cell Cathodes Accelerated at a High Water Vapor Concentration. Journal of Fuel Cell Science and Technology, 2010, 7, . | 0.8 | 30 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Effect of surfactants and their blend with silica nanoparticles on wax deposition in a Malaysian crude oil. <i>Petroleum Science</i> , 2018, 15, 577-590. | 4.9 | 30 |
| 20 | GIS aided prediction of CO ₂ emission dispersion from geothermal electricity production. <i>Journal of Cleaner Production</i> , 2011, 19, 1982-1993. | 9.3 | 27 |
| 21 | Four-Point Bending Test of Determining Stress-Strain Curves Asymmetric between Tension and Compression. <i>Experimental Mechanics</i> , 2014, 54, 489-492. | 2.0 | 27 |
| 22 | CO ₂ Temperature Prediction in Injection Tubing Considering Supercritical Condition at Yubari ECBM Pilot-Test. <i>Journal of Canadian Petroleum Technology</i> , 2010, 49, 44-50. | 2.3 | 26 |
| 23 | CO ₂ emission and economic growth of Iran. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2011, 16, 63-82. | 2.1 | 26 |
| 24 | Mobility and impact of trace metals in Barapukuria coal mining area, Northwest Bangladesh. <i>Arabian Journal of Geosciences</i> , 2013, 6, 4593-4605. | 1.3 | 25 |
| 25 | Gold Dissolution from Ore with Iodide-Oxidising Bacteria. <i>Scientific Reports</i> , 2019, 9, 4178. | 3.3 | 25 |
| 26 | Turkish challenges for low-carbon society: Current status, government policies and social acceptance. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 68, 596-608. | 16.4 | 23 |
| 27 | The effect of swirl flow in an immersion nozzle on the heat and fluid flow in a billet continuous casting mold. <i>Scandinavian Journal of Metallurgy</i> , 2004, 33, 22-28. | 0.3 | 22 |
| 28 | Formation of cavitation-induced pits on target surface in liquid-phase laser ablation. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 101, 255-258. | 2.3 | 21 |
| 29 | Effect of ultrasonic wave on the syntheses of Au and ZnO nanoparticles by laser ablation in water. <i>Applied Physics A: Materials Science and Processing</i> , 2013, 110, 835-839. | 2.3 | 19 |
| 30 | Platinum-Decorated Nitrogen-Doped Graphene Foam Electrocatalysts. <i>Fuel Cells</i> , 2014, 14, 728-734. | 2.4 | 19 |
| 31 | Permeability estimate of underground long-wall goaf from P-wave velocity and attenuation by lab-scale experiment on crushed rock samples. <i>Journal of Applied Geophysics</i> , 2018, 159, 785-794. | 2.1 | 19 |
| 32 | Development of models to predict the viscosity of a compressed Nigerian bitumen and rheological property of its emulsions. <i>Journal of Petroleum Science and Engineering</i> , 2016, 145, 711-722. | 4.2 | 18 |
| 33 | Mobilization and displacement of heavy oil by cationic microemulsions in different sandstone formations. <i>Journal of Petroleum Science and Engineering</i> , 2017, 157, 1115-1129. | 4.2 | 18 |
| 34 | Formation Damage Induced by Water-Based Alumina Nanofluids during Enhanced Oil Recovery: Influence of Postflush Salinity. <i>ACS Omega</i> , 2020, 5, 27103-27112. | 3.5 | 18 |
| 35 | Mine ventilation measurements with tracer gas method and evaluations of turbulent diffusion coefficient. <i>International Journal of Mining, Reclamation and Environment</i> , 2008, 22, 60-69. | 2.8 | 17 |
| 36 | Geochemical Evaluation of Arsenic and Manganese in Shallow Groundwater and Core Sediment in Singair Upazila, Central Bangladesh. <i>Arabian Journal for Science and Engineering</i> , 2014, 39, 5585-5601. | 1.1 | 17 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | Microemulsion and phase behavior properties of (Dimeric ammonium surfactant salt + heavy crude oil) Tj ETQq1 1 0.784314 rgBT / Ov | 3.5 | 17 |
| 38 | Asphaltene Aggregation in Crude Oils during Supercritical Gas Injection. <i>Energy & Fuels</i> , 2016, 30, 1266-1278. | 5.1 | 17 |
| 39 | Determination of Critical Self-Ignition Temperature of Low-Rank Coal Using a 1 m Wire-Mesh Basket and Extrapolation to Industrial Coal Piles. <i>Energy & Fuels</i> , 2017, 31, 6700-6710. | 5.1 | 17 |
| 40 | Effect of saw dust on borate removal from groundwater in bench-scale simulation of permeable reactive barriers including magnesium oxide. <i>Journal of Hazardous Materials</i> , 2011, 185, 1440-1447. | 12.4 | 15 |
| 41 | Estimation of the potential of an anaerobic thermophilic oil-degrading bacterium as a candidate for MEOR. <i>Journal of Petroleum Exploration and Production</i> , 2014, 4, 189-200. | 2.4 | 15 |
| 42 | Bitumen emulsification using a hydrophilic polymeric surfactant: Performance evaluation in the presence of salinity. <i>Journal of Petroleum Science and Engineering</i> , 2016, 138, 66-76. | 4.2 | 15 |
| 43 | The accuracy of residual stress measurement by the hole-drilling method. <i>Experimental Mechanics</i> , 1997, 37, 250-257. | 2.0 | 14 |
| 44 | Tracer gas measurement and simulation of turbulent diffusion in mine ventilation airways. <i>Science in China Series A: Mathematics</i> , 2008, 14, 523-529. | 0.2 | 14 |
| 45 | Experimental studies on indigenous hydrocarbon-degrading and hydrogen-producing bacteria in an oilfield for microbial restoration of natural gas deposits with CO ₂ sequestration. <i>Journal of Natural Gas Science and Engineering</i> , 2012, 5, 31-41. | 4.4 | 14 |
| 46 | Considerations on the possibility of microbial clogging of re-injection wells of the wastewater generated in a water-dissolved natural gas field. <i>International Biodeterioration and Biodegradation</i> , 2013, 81, 35-43. | 3.9 | 14 |
| 47 | Field test study on leakage monitoring at a geological CO ₂ storage site using hydrogen as a tracer. <i>International Journal of Greenhouse Gas Control</i> , 2016, 50, 37-48. | 4.6 | 14 |
| 48 | Measurements of CO ₂ molecular diffusion coefficients in crude oils from swelling-time curve and estimation using viscosity from the Stokes-Einstein formula. <i>Journal of Petroleum Science and Engineering</i> , 2020, 187, 106823. | 4.2 | 14 |
| 49 | GIS modeling of CO ₂ emission sources and storage possibilities. <i>Energy Procedia</i> , 2011, 4, 2831-2838. | 1.8 | 13 |
| 50 | Predicting gas dispersion in large scale underground ventilation: A particle tracking approach. <i>Building and Environment</i> , 2016, 95, 171-181. | 6.9 | 13 |
| 51 | PEFC Electrocatalysts Supported on Nb-SnO ₂ for MEAs with High Activity and Durability: Part I. Application of Different Carbon Fillers. <i>Journal of the Electrochemical Society</i> , 2018, 165, F1154-F1163. | 2.9 | 13 |
| 52 | Viscosity-Temperature-Pressure Relationship of Extra-Heavy Oil (Bitumen): Empirical Modelling versus Artificial Neural Network (ANN). <i>Energies</i> , 2019, 12, 2390. | 3.1 | 13 |
| 53 | Mineral Dissolution/Precipitation During CO ₂ Injection into Coal Reservoir: A Laboratory Study. <i>Energy Procedia</i> , 2013, 37, 6722-6729. | 1.8 | 12 |
| 54 | Consideration of an effect of interfacial area between oil and CO ₂ on oil swelling. <i>Journal of Petroleum Exploration and Production</i> , 2014, 4, 105-112. | 2.4 | 12 |

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|----|--|------|-----------|
| 55 | Petrotoga japonica sp. nov., a thermophilic, fermentative bacterium isolated from Yabase Oilfield in Japan. Archives of Microbiology, 2014, 196, 313-321. | 2.2 | 12 |
| 56 | Integrated microbial enhanced oil recovery (MEOR) simulation: Main influencing parameters and uncertainty assessment. Journal of Petroleum Science and Engineering, 2018, 171, 784-793. | 4.2 | 12 |
| 57 | A novel technique for heavy oil recovery using poly vinyl alcohol (PVA) and PVA-NaOH with ethanol additive. Fuel, 2021, 285, 119128. | 6.4 | 12 |
| 58 | Effects of SO ₂ and pH Concentration on CO ₂ Adsorption Capacity in Coal Seams for CO ₂ Sequestration With Considerations for Flue Gas From Coal-Fired Power Plants. Journal of Canadian Petroleum Technology, 2009, 48, 58-63. | 2.3 | 11 |
| 59 | Effect of Kaolinite on Water-in-Oil Emulsion Formed by Steam Injection during Tertiary Oil Recovery: A Case Study of an Omani Heavy Oil Sandstone Reservoir with a High Kaolinite Sludge Content. Energy & Fuels, 2016, 30, 10917-10924. | 5.1 | 11 |
| 60 | Prediction model of bottom hole temperature and pressure at deep injector for CO ₂ sequestration to recover injection rate. Energy Procedia, 2009, 1, 2999-3006. | 1.8 | 9 |
| 61 | Numerical simulation to evaluate gas diffusion of turbulent flow in mine ventilation system. International Journal of Mining Science and Technology, 2013, 23, 349-355. | 10.3 | 9 |
| 62 | Structure and size control of ZnO nanoparticles by applying high pressure to ambient liquid in liquid-phase laser ablation. Applied Physics A: Materials Science and Processing, 2013, 110, 779-783. | 2.3 | 9 |
| 63 | Physicochemical and microemulsion properties of dimeric quaternary ammonium salts with trimethylene spacer for enhanced oil recovery. Colloid and Polymer Science, 2015, 293, 3487-3497. | 2.1 | 9 |
| 64 | Enhancing Oil Production Using Silica-Based Nanofluids: Preparation, Stability, and Displacement Mechanisms. Industrial & Engineering Chemistry Research, 2019, 58, 15045-15060. | 3.7 | 9 |
| 65 | Numerical simulations on the self-heating behaviours of coal piles considering aging effect. Combustion Theory and Modelling, 2019, 23, 1169-1190. | 1.9 | 9 |
| 66 | The Abilities of Hinai-Green Tuff to Adjust pH and Activate Microorganisms. Shigen-to-Sozai, 2005, 121, 513-520. | 0.1 | 9 |
| 67 | Investigation of the Effects of Parameters on Viscosities and Correlation of Heavy Oil and Stability of Its Emulsion. Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy, 2013, 92, 900-904. | 0.2 | 8 |
| 68 | A Study on Preventing Spontaneous Combustion of Residual Coal in a Coal Mine Goaf. Journal of Geological Research, 2015, 2015, 1-8. | 0.7 | 8 |
| 69 | Kinetics of nickel extraction from Indonesian saprolitic ore by citric acid leaching under atmospheric pressure. Mining, Metallurgy and Exploration, 2015, 32, 176-185. | 0.8 | 8 |
| 70 | Pseudo-phase equilibrium of light and heavy crude oils for enhanced oil recovery. Journal of Petroleum Exploration and Production, 2016, 6, 419-432. | 2.4 | 8 |
| 71 | Asphaltene behavior at the interface oil-nanofluids: Implications to adsorption. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 622, 126630. | 4.7 | 8 |
| 72 | Enhancing surfactant desorption through low salinity water post-flush during Enhanced Oil Recovery. Oil and Gas Science and Technology, 2021, 76, 68. | 1.4 | 8 |

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| 73 | A Calculation Model for Liquid CO ₂ Injection into Shallow Sub-seabed Aquifer. Annals of the New York Academy of Sciences, 2000, 912, 211-225. | 3.8 | 7 |
| 74 | Study of magnetic configuration effects on plasma boundary and measurement of edge electron density in the spherical tokamak compact plasma wall interaction experimental device using Li sheet beam. Physics of Plasmas, 2008, 15, 022504. | 1.9 | 7 |
| 75 | Equivalent Oxidation Exposure - Time for Low Temperature Spontaneous Combustion of Coal. , 0, , . | | 7 |
| 76 | Microbial-Induced Oil Viscosity Reduction by Selective Degradation of Long-Chain Alkanes. , 2014, , . | | 7 |
| 77 | Thermal Tolerance and Compatibility of NaOH-Poly(vinyl alcohol) in Bitumen Emulsification for Improved Flow properties. Energy & Fuels, 2016, 30, 9310-9321. | 5.1 | 7 |
| 78 | Modeling microbial-induced oil viscosity reduction: Effect of temperature, salinity and nutrient concentration. Petroleum Science and Technology, 2018, 36, 1113-1119. | 1.5 | 7 |
| 79 | Estimating a baseline of soil CO ₂ flux at CO ₂ geological storage sites. Environmental Monitoring and Assessment, 2019, 191, 563. | 2.7 | 7 |
| 80 | Effects of Reversibility on Enhanced Oil Recovery Using Sodium Dodecylbenzene Sulfonate (SDBS). Journal of the Japan Petroleum Institute, 2019, 62, 188-198. | 0.6 | 7 |
| 81 | Evaluation of laminar flow of surfactant-stabilized bitumen-in-water emulsion in pipe using computational fluid dynamics: Effects of water content and salinity. Journal of Dispersion Science and Technology, 2020, 41, 1105-1117. | 2.4 | 7 |
| 82 | Microbe-induced fluid viscosity variation: field-scale simulation, sensitivity and geological uncertainty. Journal of Petroleum Exploration and Production, 2020, 10, 1983-2003. | 2.4 | 7 |
| 83 | Gas Production from Offshore Methane Hydrate Layer and Seabed Subsidence by Depressurization Method. Engineering, 2016, 08, 353-364. | 0.8 | 7 |
| 84 | Analysis of Heavy Oil Emulsion-Carbon Dioxide System on Oil-Swelling Factor and Interfacial Tension by Using Pendant Drop Method for Enhanced Oil Recovery and Carbon Dioxide Storage. International Journal of Environmental Science and Development, 0, , 118-123. | 0.6 | 7 |
| 85 | Electron Temperatures and Electron Densities in Microwave Helium Discharges with Pressures Higher than 0.1 MPa. Contributions To Plasma Physics, 2015, 55, 563-569. | 1.1 | 6 |
| 86 | Physics-based investigation of negative ion behavior in a negative-ion-rich plasma using integrated diagnostics. AIP Conference Proceedings, 2017, , . | 0.4 | 6 |
| 87 | Characterization of yttrium-doped ceria with various yttrium concentrations as cathode interlayers of SOFCs. Ionics, 2017, 23, 95-103. | 2.4 | 6 |
| 88 | Kinetics of thermal degradation of a Japanese oil sand. Egyptian Journal of Petroleum, 2018, 27, 505-512. | 2.6 | 6 |
| 89 | Effects of temperature gradient and particle size on self-ignition temperature of low-rank coal excavated from inner Mongolia, China. Royal Society Open Science, 2019, 6, 190374. | 2.4 | 6 |
| 90 | Modified Energy Efficiencies of Proton-conducting SOFCs with Partial Conductions of Oxide Ions and Holes. Fuel Cells, 2019, 19, 503-511. | 2.4 | 6 |

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| 91 | Applying the hydrodynamic model to optimize the production for crystalline basement reservoir, X field, Cuu Long Basin, Vietnam. Journal of Petroleum Exploration and Production, 2020, 10, 31-46. | 2.4 | 6 |
| 92 | Screening of the Effective Additive to Inhibit Surfactin from Forming Precipitation with Divalent Cations for Surfactin Enhanced Oil Recovery. Energies, 2020, 13, 2430. | 3.1 | 6 |
| 93 | Swelling Measurements of a Low Rank Coal in Supercritical CO ₂ . International Journal of Geosciences, 2013, 04, 863-870. | 0.6 | 6 |
| 94 | Discrete Tracer Point Method to Evaluate Turbulent Diffusion in Circular Pipe Flow. Journal of Flow Control Measurement & Visualization, 2013, 01, 57-68. | 0.1 | 6 |
| 95 | Turbulence measurements in reverse-flow region by split-film probe.. 880-02 Nihon Kikai Gakkai Ronbunshu Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 1985, 51, 1615-1618. | 0.2 | 5 |
| 96 | A Prediction System for Airflow Temperature and Humidity in Underground Ventilation Networks.. Shigen-to-Sozai, 1992, 108, 378-388. | 0.1 | 5 |
| 97 | 2-D Image Diagnostic Technique for Edge Turbulence Using Fast Cameras. Plasma and Fusion Research, 2007, 2, S1055-S1055. | 0.7 | 5 |
| 98 | A grid-free particle tracking simulation for tracer dispersion in porous reservoir model. Journal of Unconventional Oil and Gas Resources, 2015, 11, 75-81. | 3.5 | 5 |
| 99 | Steam trap control valve for enhancing steam flood performance in an Omani heterogeneous heavy oil field. Journal of Unconventional Oil and Gas Resources, 2016, 16, 113-121. | 3.5 | 5 |
| 100 | Investigation of Stability of CO ₂ Microbubbles Colloidal Gas Aphrons for Enhanced Oil Recovery Using Definitive Screening Design. Colloids and Interfaces, 2020, 4, 26. | 2.1 | 5 |
| 101 | An integrated mine ventilation simulator "MIVENA Ver.6" with applications. , 2002, , . | | 5 |
| 102 | Formation of Cross-linked Gel from Complex Water-Solution of Sodium Metasilicate Nonahydrate and Polyvinyl Alcohol to Inhibit Spontaneous Coal Combustion. Combustion Science and Technology, 2022, 194, 2308-2324. | 2.3 | 5 |
| 103 | Heat Transfer and Phase Change in Deep CO ₂ Injector for CO ₂ Geological Storage. , 0, , . | | 4 |
| 104 | Preliminary numerical modelling of CO ₂ gas foaming in heavy oil and simulations of oil production from heavy oil reservoirs. Canadian Journal of Chemical Engineering, 2016, 94, 576-585. | 1.7 | 4 |
| 105 | Evaluation for Offshore Carbon Dioxide Geological Storage Potential in the Gulf of Thailand. Energy Procedia, 2017, 142, 3486-3491. | 1.8 | 4 |
| 106 | Numerical modelling of the growth of sulfate-reducing bacteria indigenous to an oilfield in Japan. Petroleum Science and Technology, 2018, 36, 1597-1604. | 1.5 | 4 |
| 107 | Predicting the antagonistic effect between albite-anorthite synergy and anhydrite on chemical enhanced oil recovery: effect of inorganic ions and scaling. Journal of Dispersion Science and Technology, 2020, 42, 21-32. | 2.4 | 4 |
| 108 | Evaluation of CO ₂ -triggered and thermo-responsive gels for heterogeneous oil formations. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 622, 126688. | 4.7 | 4 |

| # | ARTICLE | IF | CITATIONS |
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| 109 | Role of Polymer-Based Nanofluids on Asphaltene Adsorption during Carbon Dioxide (CO ₂) Injection. Energy & Fuels, 2021, 35, 14746-14757. | 5.1 | 4 |
| 110 | Experimental and numerical studies on production scheme to improve energy efficiency of bitumen production through insitu oil-in-water (O/W) emulsion. Energy, 2022, 244, 122700. | 8.8 | 4 |
| 111 | Airflow Measurements and Evaluation of Effective Diffusion Coefficient in Large Scale of Mine Ventilation Network using with Tracer Gas Method. Journal of MMIJ, 2009, 125, 614-620. | 0.3 | 3 |
| 112 | Measurements of CO ₂ sorption on rocks using a volumetric technique for CO ₂ geological storage. Energy Procedia, 2009, 1, 3715-3722. | 1.8 | 3 |
| 113 | Estimation of the Potential of an Oil-Viscosity-Reducing Bacterium <i>Petrotoga</i> sp. Isolated from an Oil Field for MEOR. , 2010, , . | | 3 |
| 114 | Properties and Developments of Combustion and Gasification of Coal and Char in a CO ₂ -Rich and Recycled Flue Gases Atmosphere by Rapid Heating. Journal of Combustion, 2012, 2012, 1-11. | 1.0 | 3 |
| 115 | An Effective Area Considering the Principal Stress to Evaluate Creep Strain Measured by Indentation Test. Experimental Mechanics, 2015, 55, 1081-1091. | 2.0 | 3 |
| 116 | Kinetic analysis and modeling of stability of bitumen-in-water emulsion stabilized by polyvinyl alcohol (PVA). Petroleum Science and Technology, 2016, 34, 184-191. | 1.5 | 3 |
| 117 | Simulation Study on Reservoir Souring Induced by Injection of Reservoir Brine Containing Sulfate-Reducing Bacteria. Sustainability, 2020, 12, 4603. | 3.2 | 3 |
| 118 | New Method to Predict the Viscosity of Bitumen Diluted with Light Oil Using a Modified Van Der Wijk Model under Reservoir Temperature and Pressure. ACS Omega, 2021, 6, 10085-10094. | 3.5 | 3 |
| 119 | Nanocomposite and Nanofluids: Towards a Sustainable Carbon Capture, Utilization, and Storage. , 0, , . | | 3 |
| 120 | Evaluation of <i>In-situ</i> Reservoir Blocking by Sodium Carbonate Gel Formed from Sodium Metasilicate Solution and Injected CO ₂ for CO ₂ Sequestration. Journal of the Japan Petroleum Institute, 2019, 62, 309-318. | 0.6 | 3 |
| 121 | Measurement of Viscosity Alteration for Emulsion and Numerical Simulation on Bitumen Production by SAGD Considering In-situ Emulsification. Journal of Earth Science and Engineering, 2016, 6, . | 0.2 | 3 |
| 122 | Characteristics of Adsorption, Permeability and Swelling of Coal Relating to Liquid CO ₂ Sequestration into Coal Seams. Journal of MMIJ, 2007, 123, 518-523. | 0.3 | 3 |
| 123 | Airflow Measurements and Evaluation of Effective Ventilation Flow in an Underground Quarry using with Tracer Gas Method. Journal of MMIJ, 2012, 128, 209-217. | 0.3 | 3 |
| 124 | CO ₂ Gas Permeability and Adsorption of Coal Samples in Consideration of CO ₂ Sequestration into Coal Seams. Shigen-to-Sozai, 2004, 120, 461-468. | 0.1 | 3 |
| 125 | Estimating Surface CO ₂ Flux Based on Soil Concentration Profile. British Journal of Environment and Climate Change, 2017, 7, 214-222. | 0.3 | 3 |
| 126 | Water Vapor Adsorption of Coal and Numerical Simulation Related to Its Effect on Spontaneous Combustion in a Low Temperature Range.. Shigen-to-Sozai, 1992, 108, 479-486. | 0.1 | 2 |

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| 127 | A theoretical approach for estimating the surface area of a rough-walled fracture from well logging data. International Journal of Rock Mechanics and Minings Sciences, 1997, 34, 270.e1-270.e16. | 5.8 | 2 |
| 128 | Mixing Gas Migration in Fractured Rock Through Unsaturated and Water-saturated Layer: Result of a Pneumatic Gas Injection Test. Energy Procedia, 2013, 37, 3507-3512. | 1.8 | 2 |
| 129 | The Utilization of Natural Reservoir Brine in an Enrichment Culture Medium: An Alternative Approach for Isolation of Anaerobic Bacteria from an Oil Reservoir. Petroleum Science and Technology, 2014, 32, 783-789. | 1.5 | 2 |
| 130 | An aspect of bitumen emulsification by steam condensation: Effect of formation temperature and bitumen content. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2016, 38, 1790-1797. | 2.3 | 2 |
| 131 | Field Study on Correlation between CO ₂ Concentration and Surface Soil CO ₂ Flux in Closed Coal Mine Goaf. ACS Omega, 2019, 4, 12136-12145. | 3.5 | 2 |
| 132 | AN ANALYSIS OF THE POSSIBLE FINANCIAL SAVINGS OF A CARBON CAPTURE PROCESS THROUGH CARBON DIOXIDE ABSORPTION AND GEOLOGICAL DUMPING. International Journal of Energy Economics and Policy, 2020, 10, 266-270. | 1.2 | 2 |
| 133 | Computational Performance of Disparate Lattice Boltzmann Scenarios under Unsteady Thermal Convection Flow and Heat Transfer Simulation. Computation, 2021, 9, 65. | 2.0 | 2 |
| 134 | Two Dimensional Li Beam Imaging to Study the Magnetic Field Configuration Effects on Plasma Confinement in Spherical Tokamak CPD. Plasma and Fusion Research, 2007, 2, S1103-S1103. | 0.7 | 2 |
| 135 | Recent <i>In Situ</i> Oil Recovery Technologies for Extra Heavy Oil Reserves such as Oil Sands. Shigen-to-Sozai, 2000, 116, 313-320. | 0.1 | 2 |
| 136 | A Numerical Model and Numerical Simulations in Consideration of Permeability Reduction by Coal-Matrix Swelling for CO ₂ -ECBMR. Journal of MMIJ, 2009, 125, 605-613. | 0.3 | 2 |
| 137 | Flow Velocity Anemometer Using Ultrasonic Waves in Underground Airways.. Shigen-to-Sozai, 1993, 109, 751-758. | 0.1 | 2 |
| 138 | On evaluating the potential of nanocomposites for heavy oil recovery. Journal of Petroleum Exploration and Production, 2021, 11, 1415-1427. | 2.4 | 2 |
| 139 | Prediction Analysis of Air Temperature and Humidity in Underground Airways.. Shigen-to-Sozai, 1994, 110, 653-660. | 0.1 | 1 |
| 140 | A Practical Solution to Estimate Rock Surface Temperature of Underground Airway with Partly Wet Conditions and Calculation System for Airflow Temperature and Humidity.. Shigen-to-Sozai, 1995, 111, 17-24. | 0.1 | 1 |
| 141 | Pilot study on the construction of several temperature-controlled multi-purpose rooms in a disused tunnel. Tunnelling and Underground Space Technology, 2012, 32, 180-189. | 6.2 | 1 |
| 142 | Optical Emission of Molecular Hydrogen in a Recombining Hydrogen Plasma. Contributions To Plasma Physics, 2012, 52, 676-681. | 1.1 | 1 |
| 143 | Total Evaluation on CCS System Against Geological Uncertainty and Troubles. Energy Procedia, 2013, 37, 2738-2745. | 1.8 | 1 |
| 144 | Measurements of Gasification Characteristics of Coal and Char in CO ₂ -Rich Gas Flow by TG-DTA. Journal of Combustion, 2013, 2013, 1-15. | 1.0 | 1 |

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| 145 | Spectrophotometric Determination of pH Change of Formation Water Under High CO ₂ Pressure Using a Mixed pH Indicator. Journal of MMIJ, 2015, 131, 518-523. | 0.3 | 1 |
| 146 | Effect of Emulsification Process Conditions on the Properties of Water-in-Bitumen Emulsion. Journal of the Japanese Association for Petroleum Technology, 2017, 82, 73-84. | 0.0 | 1 |
| 147 | Computational Fluid Dynamics CFD Evaluation of Laminar Flow of Bitumen-in-Water Emulsion Stabilized by Poly Vinyl Alcohol PVA: Effects of Salinity and Water Cut. , 2019, , . | | 1 |
| 148 | Improving Surfactant EOR by Water Salinity Alteration. ASEG Extended Abstracts, 2019, 2019, 1-4. | 0.1 | 1 |
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