

# Kyuro Sasaki

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2566900/publications.pdf>

Version: 2024-02-01

181  
papers

2,678  
citations

257450

24  
h-index

223800

46  
g-index

183  
all docs

183  
docs citations

183  
times ranked

2167  
citing authors

#	ARTICLE	IF	CITATIONS
1	Formation of Cross-linked Gel from Complex Water-Solution of Sodium Metasilicate Nonahydrate and Polyvinyl Alcohol to Inhibit Spontaneous Coal Combustion. <i>Combustion Science and Technology</i> , 2022, 194, 2308-2324.	2.3	5
2	Experimental and numerical studies on production scheme to improve energy efficiency of bitumen production through insitu oil-in-water (O/W) emulsion. <i>Energy</i> , 2022, 244, 122700.	8.8	4
3	A novel technique for heavy oil recovery using poly vinyl alcohol (PVA) and PVA-NaOH with ethanol additive. <i>Fuel</i> , 2021, 285, 119128.	6.4	12
4	Prediction of Pressure Response at A Monitoring well in Initial Injection Stages of CO <sub>2</sub> Geological Storage into A Deep Aquifers. <i>Journal of MMIJ</i> , 2021, 137, 17-23.	0.3	0
5	A Threshold Line for Safe Geologic CO <sub>2</sub> Storage Based on Field Measurement of Soil CO <sub>2</sub> Flux. <i>Journal of Carbon Research</i> , 2021, 7, 34.	2.7	1
6	New Method to Predict the Viscosity of Bitumen Diluted with Light Oil Using a Modified Van Der Wijk Model under Reservoir Temperature and Pressure. <i>ACS Omega</i> , 2021, 6, 10085-10094.	3.5	3
7	Computational Performance of Disparate Lattice Boltzmann Scenarios under Unsteady Thermal Convection Flow and Heat Transfer Simulation. <i>Computation</i> , 2021, 9, 65.	2.0	2
8	Evaluation of CO <sub>2</sub> -triggered and thermo-responsive gels for heterogeneous oil formations. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 622, 126688.	4.7	4
9	Asphaltene behavior at the interface oil-nanofluids: Implications to adsorption. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 622, 126630.	4.7	8
10	Role of Polymer-Based Nanofluids on Asphaltene Adsorption during Carbon Dioxide (CO <sub>2</sub> ) Injection. <i>Energy &amp; Fuels</i> , 2021, 35, 14746-14757.	5.1	4
11	An Experimental Study of the Influence of the Preflush Salinity on Enhanced Oil Recovery Using Silica-Based Nanofluids. <i>Energies</i> , 2021, 14, 6922.	3.1	0
12	Enhancing surfactant desorption through low salinity water post-flush during Enhanced Oil Recovery. <i>Oil and Gas Science and Technology</i> , 2021, 76, 68.	1.4	8
13	On evaluating the potential of nanocomposites for heavy oil recovery. <i>Journal of Petroleum Exploration and Production</i> , 2021, 11, 1415-1427.	2.4	2
14	Evaluation of laminar flow of surfactant-stabilized bitumen-in-water emulsion in pipe using computational fluid dynamics: Effects of water content and salinity. <i>Journal of Dispersion Science and Technology</i> , 2020, 41, 1105-1117.	2.4	7
15	Impact of a new geological modelling method on the enhancement of the CO <sub>2</sub> storage assessment of E sequence of Nam Vang field, offshore Vietnam. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2020, 42, 1499-1512.	2.3	45
16	Applying the hydrodynamic model to optimize the production for crystalline basement reservoir, X field, Cuu Long Basin, Vietnam. <i>Journal of Petroleum Exploration and Production</i> , 2020, 10, 31-46.	2.4	6
17	Predicting the antagonistic effect between albite-anorthite synergy and anhydrite on chemical enhanced oil recovery: effect of inorganic ions and scaling. <i>Journal of Dispersion Science and Technology</i> , 2020, 42, 21-32.	2.4	4
18	Measurements of CO <sub>2</sub> 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

#	ARTICLE	IF	CITATIONS
19	Formation Damage Induced by Water-Based Alumina Nanofluids during Enhanced Oil Recovery: Influence of Postflush Salinity. ACS Omega, 2020, 5, 27103-27112.	3.5	18
20	Application of artificial neural network for predicting the performance of CO <sub>2</sub> enhanced oil recovery and storage in residual oil zones. Scientific Reports, 2020, 10, 18204.	3.3	67
21	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
22	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
23	Simulation Study on Seismic Response of Ground Surface Above an Underground Longwall Goaf. Pure and Applied Geophysics, 2020, 177, 3697-3711.	1.9	1
24	Simulation Study on Reservoir Souring Induced by Injection of Reservoir Brine Containing Sulfate-Reducing Bacteria. Sustainability, 2020, 12, 4603.	3.2	3
25	Investigation of Stability of CO <sub>2</sub> Microbubblesâ€”Colloidal Gas Aphrons for Enhanced Oil Recovery Using Definitive Screening Design. Colloids and Interfaces, 2020, 4, 26.	2.1	5
26	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
27	A Research Approache for Reducing Natural CO <sub>2</sub> Emissions by Extinguishing A Large Scale of Coal Fires and Spontaneous Combustions. Journal of MMIJ, 2020, 136, 99-109.	0.3	0
28	Enhancing Oil Production Using Silica-Based Nanofluids: Preparation, Stability, and Displacement Mechanisms. Industrial & Engineering Chemistry Research, 2019, 58, 15045-15060.	3.7	9
29	Estimating a baseline of soil CO <sub>2</sub> flux at CO <sub>2</sub> geological storage sites. Environmental Monitoring and Assessment, 2019, 191, 563.	2.7	7
30	Field Study on Correlation between CO <sub>2</sub> Concentration and Surface Soil CO <sub>2</sub> Flux in Closed Coal Mine Goaf. ACS Omega, 2019, 4, 12136-12145.	3.5	2
31	Numerical simulations on the self-heating behaviours of coal piles considering aging effect. Combustion Theory and Modelling, 2019, 23, 1169-1190.	1.9	9
32	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
33	Viscosityâ€”Temperatureâ€”Pressure Relationship of Extra-Heavy Oil (Bitumen): Empirical Modelling versus Artificial Neural Network (ANN). Energies, 2019, 12, 2390.	3.1	13
34	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
35	Modified Energy Efficiencies of Protonâ€”conducting SOFCs with Partial Conductions of Oxideâ€”ions and Holes. Fuel Cells, 2019, 19, 503-511.	2.4	6
36	Gold Dissolution from Ore with Iodide-Oxidising Bacteria. Scientific Reports, 2019, 9, 4178.	3.3	25

#	ARTICLE	IF	CITATIONS
37	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
38	Improving Surfactant EOR by Water Salinity Alteration. ASEG Extended Abstracts, 2019, 2019, 1-4.	0.1	1
39	Evaluation of <i>In-situ</i> Reservoir Blocking by Sodium Carbonate Gel Formed from Sodium Metasilicate Solution and Injected CO <sub>2</sub> for CO <sub>2</sub> Sequestration. Journal of the Japan Petroleum Institute, 2019, 62, 309-318.	0.6	3
40	Kinetics of thermal degradation of a Japanese oil sand. Egyptian Journal of Petroleum, 2018, 27, 505-512.	2.6	6
41	PEFC Electrocatalysts Supported on Nb-SnO <sub>2</sub> for MEAs with High Activity and Durability: Part I. Application of Different Carbon Fillers. Journal of the Electrochemical Society, 2018, 165, F1154-F1163.	2.9	13
42	Permeability estimate of underground long-wall goaf from P-wave velocity and attenuation by lab-scale experiment on crushed rock samples. Journal of Applied Geophysics, 2018, 159, 785-794.	2.1	19
43	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
44	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
45	Effect of surfactants and their blend with silica nanoparticles on wax deposition in a Malaysian crude oil. Petroleum Science, 2018, 15, 577-590.	4.9	30
46	Modeling microbial-induced oil viscosity reduction: Effect of temperature, salinity and nutrient concentration. Petroleum Science and Technology, 2018, 36, 1113-1119.	1.5	7
47	Rural Assessment of Groundwater Quality Parameters: A Case Study of Pepel Northern Sierra Leone. Journal of Hydrogeology and Hydrologic Engineering, 2018, 07, .	0.1	1
48	Experimental Study on Seismic Attenuation and Permeability of Large Porosity Rock. Journal of Geoscience and Environment Protection, 2018, 06, 80-90.	0.5	0
49	Determination of Critical Self-Ignition Temperature of Low-Rank Coal Using a 1 m Wire-Mesh Basket and Extrapolation to Industrial Coal Piles. Energy & Fuels, 2017, 31, 6700-6710.	5.1	17
50	Physics-based investigation of negative ion behavior in a negative-ion-rich plasma using integrated diagnostics. AIP Conference Proceedings, 2017, , .	0.4	6
51	Mobilization and displacement of heavy oil by cationic microemulsions in different sandstone formations. Journal of Petroleum Science and Engineering, 2017, 157, 1115-1129.	4.2	18
52	Turkish challenges for low-carbon society: Current status, government policies and social acceptance. Renewable and Sustainable Energy Reviews, 2017, 68, 596-608.	16.4	23
53	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
54	Characterization of yttrium-doped ceria with various yttrium concentrations as cathode interlayers of SOFCs. Ionics, 2017, 23, 95-103.	2.4	6

#	ARTICLE	IF	CITATIONS
55	Evaluation for Offshore Carbon Dioxide Geological Storage Potential in the Gulf of Thailand. Energy Procedia, 2017, 142, 3486-3491.	1.8	4
56	Groundwater Assessment through an Integrated Approach Using GIS and Electrical Resistivity Technique: A Case Study from the Bullom Group of Sediments in Sierra Leone. , 2017, 07, .		0
57	Stabilization of numerical simulation by modification of combustion reaction models for heavy oil recovery with <i>in-situ</i> combustion method. Journal of the Japanese Association for Petroleum Technology, 2017, 82, 443-456.	0.0	0
58	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
59	Estimating Surface CO2 Flux Based on Soil Concentration Profile. British Journal of Environment and Climate Change, 2017, 7, 214-222.	0.3	3
60	The Influence of Local Geology on the Groundwater Potential of Kunike Sanda and Barina Chiefdoms Tonkolili District Northern Sierra Leone. Hydrology Current Research, 2016, 07, .	0.4	0
61	Swelling and Viscosity Reduction of Heavy Oil by CO2-Gas Foaming in Immiscible Condition. SPE Reservoir Evaluation and Engineering, 2016, 19, 294-304.	1.8	41
62	Preliminary numerical modelling of CO2 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
63	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
64	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
65	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
66	Microemulsion and phase behavior properties of (Dimeric ammonium surfactant salt + heavy crude oil) Tj ETQq0 0.0 rgBT /Qoverlock 10	3.5	17
67	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
68	The correlation between coal swelling and permeability during CO2 sequestration: A case study using Kushiro low rank coals. International Journal of Coal Geology, 2016, 166, 62-70.	5.0	45
69	Development of models to predict the viscosity of a compressed Nigerian bitumen and rheological property of its emulsions. Journal of Petroleum Science and Engineering, 2016, 145, 711-722.	4.2	18
70	Field test study on leakage monitoring at a geological CO2 storage site using hydrogen as a tracer. International Journal of Greenhouse Gas Control, 2016, 50, 37-48.	4.6	14
71	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
72	Negative ion production and beam extraction processes in a large ion source (invited). Review of Scientific Instruments, 2016, 87, 02B936.	1.3	33

#	ARTICLE	IF	CITATIONS
73	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
74	Bitumen emulsification using a hydrophilic polymeric surfactant: Performance evaluation in the presence of salinity. Journal of Petroleum Science and Engineering, 2016, 138, 66-76.	4.2	15
75	Asphaltene Aggregation in Crude Oils during Supercritical Gas Injection. Energy & Fuels, 2016, 30, 1266-1278.	5.1	17
76	Predicting gas dispersion in large scale underground ventilation: A particle tracking approach. Building and Environment, 2016, 95, 171-181.	6.9	13
77	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
78	Gas Production from Offshore Methane Hydrate Layer and Seabed Subsidence by Depressurization Method. Engineering, 2016, 08, 353-364.	0.8	7
79	Fundamental Study on Applicability of MEOR to North Sea Oil. Journal of the Japanese Association for Petroleum Technology, 2015, 80, 465-469.	0.0	0
80	Spectrophotometric Determination of pH Change of Formation Water Under High CO <sub>2</sub> Pressure Using a Mixed pH Indicator. Journal of MMIJ, 2015, 131, 518-523.	0.3	1
81	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
82	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
83	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
84	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
85	An Effective Area Considering the Principal Stress to Evaluate Creep Strain Measured by Indentation Test. Experimental Mechanics, 2015, 55, 1081-1091.	2.0	3
86	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
87	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
88	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
89	Estimation of the potential of an anaerobic thermophilic oil-degrading bacterium as a candidate for MEOR. Journal of Petroleum Exploration and Production, 2014, 4, 189-200.	2.4	15
90	Four-Point Bending Test of Determining Stress-Strain Curves Asymmetric between Tension and Compression. Experimental Mechanics, 2014, 54, 489-492.	2.0	27

#	ARTICLE	IF	CITATIONS
91	Consideration of an effect of interfacial area between oil and CO <sub>2</sub> on oil swelling. Journal of Petroleum Exploration and Production, 2014, 4, 105-112.	2.4	12
92	Geochemical Evaluation of Arsenic and Manganese in Shallow Groundwater and Core Sediment in Singair Upazila, Central Bangladesh. Arabian Journal for Science and Engineering, 2014, 39, 5585-5601.	1.1	17
93	Platinum-Decorated Nitrogen-Doped Graphene Foam Electrocatalysts. Fuel Cells, 2014, 14, 728-734.	2.4	19
94	Petrotoga japonica sp. nov., a thermophilic, fermentative bacterium isolated from Yabase Oilfield in Japan. Archives of Microbiology, 2014, 196, 313-321.	2.2	12
95	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
96	Fluids Behaviors in Heavy Oil Production - Water-in-Oil Emulsion, CO <sub>2</sub> -Gas Foam and <i>In-Situ</i> Combustion. Journal of the Japanese Association for Petroleum Technology, 2014, 79, 391-397.	0.0	0
97	Microbial-Induced Oil Viscosity Reduction by Selective Degradation of Long-Chain Alkanes. , 2014, , .		7
98	Mobility and impact of trace metals in Barapukuria coal mining area, Northwest Bangladesh. Arabian Journal of Geosciences, 2013, 6, 4593-4605.	1.3	25
99	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
100	Considerations on the possibility of microbial clogging of re-injection wells of the wastewater generated in a water-dissolved natural gas field. International Biodeterioration and Biodegradation, 2013, 81, 35-43.	3.9	14
101	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
102	Total Evaluation on CCS System Against Geological Uncertainty and Troubles. Energy Procedia, 2013, 37, 2738-2745.	1.8	1
103	Mineral Dissolution/Precipitation During CO <sub>2</sub> Injection into Coal Reservoir: A Laboratory Study. Energy Procedia, 2013, 37, 6722-6729.	1.8	12
104	Effect of ultrasonic wave on the syntheses of Au and ZnO nanoparticles by laser ablation in water. Applied Physics A: Materials Science and Processing, 2013, 110, 835-839.	2.3	19
105	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
106	Measurements of Gasification Characteristics of Coal and Char in CO <sub>2</sub> -Rich Gas Flow by TG-DTA. Journal of Combustion, 2013, 2013, 1-15.	1.0	1
107	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
108	Swelling Measurements of a Low Rank Coal in Supercritical CO <sub>2</sub> . International Journal of Geosciences, 2013, 04, 863-870.	0.6	6



#	ARTICLE	IF	CITATIONS
109	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
110	Properties and Developments of Combustion and Gasification of Coal and Char in a CO <sub>2</sub> -Rich and Recycled Flue Gases Atmosphere by Rapid Heating. Journal of Combustion, 2012, 2012, 1-11.	1.0	3
111	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
112	Optical Emission of Molecular Hydrogen in a Recombining Hydrogen Plasma. Contributions To Plasma Physics, 2012, 52, 676-681.	1.1	1
113	Experimental studies on indigenous hydrocarbon-degrading and hydrogen-producing bacteria in an oilfield for microbial restoration of natural gas deposits with CO <sub>2</sub> sequestration. Journal of Natural Gas Science and Engineering, 2012, 5, 31-41.	4.4	14
114	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
115	Development of a Gas-Liquid Two-Phase Micro Flow Meter for High-Precision Measurement of Relative Permeability. Journal of MMIJ, 2012, 128, 198-208.	0.3	0
116	Mitigating climate change by CO <sub>2</sub> capture and geological storage: opportunities for Iran. , 2012, , .		1
117	GIS aided prediction of CO <sub>2</sub> emission dispersion from geothermal electricity production. Journal of Cleaner Production, 2011, 19, 1982-1993.	9.3	27
118	CO <sub>2</sub> emission and economic growth of Iran. Mitigation and Adaptation Strategies for Global Change, 2011, 16, 63-82.	2.1	26
119	Effect of saw dust on borate removal from groundwater in bench-scale simulation of permeable reactive barriers including magnesium oxide. Journal of Hazardous Materials, 2011, 185, 1440-1447.	12.4	15
120	Analysis on combustion and gasification characteristics of Datong coal in a CO <sub>2</sub> -rich atmosphere by different temperature gradient—Effect of oxygen concentration. Energy Procedia, 2011, 4, 1252-1259.	1.8	0
121	GIS modeling of CO <sub>2</sub> emission sources and storage possibilities. Energy Procedia, 2011, 4, 2831-2838.	1.8	13
122	Estimation of the Potential of an Oil-Viscosity-Reducing Bacterium <i>Petrotoga</i> sp. Isolated from an Oil Field for MEOR. , 2010, , .		3
123	CO <sub>2</sub> Temperature Prediction in Injection Tubing Considering Supercritical Condition at Yubari ECBM Pilot-Test. Journal of Canadian Petroleum Technology, 2010, 49, 44-50.	2.3	26
124	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
125	Formation of cavitation-induced pits on target surface in liquid-phase laser ablation. Applied Physics A: Materials Science and Processing, 2010, 101, 255-258.	2.3	21
126	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



#	ARTICLE	IF	CITATIONS
127	Developing the geothermal resources map of Iran. <i>Geothermics</i> , 2010, 39, 140-151.	3.4	86
128	Observation and Visualization of Flows-What is Darcy's Law and its Meaning?. <i>Journal of the Japanese Association for Petroleum Technology</i> , 2010, 75, 270-276.	0.0	0
129	Airflow Measurements and Evaluation of Effective Diffusion Coefficient in Large Scale of Mine Ventilation Network using with Tracer Gas Method. <i>Journal of MMIJ</i> , 2009, 125, 614-620.	0.3	3
130	Prediction model of bottom hole temperature and pressure at deep injector for CO <sub>2</sub> sequestration to recover injection rate. <i>Energy Procedia</i> , 2009, 1, 2999-3006.	1.8	9
131	Measurements of CO <sub>2</sub> sorption on rocks using a volumetric technique for CO <sub>2</sub> geological storage. <i>Energy Procedia</i> , 2009, 1, 3715-3722.	1.8	3
132	Gas Production System From Methane Hydrate Layers by Hot Water Injection Using Dual Horizontal Wells. <i>Journal of Canadian Petroleum Technology</i> , 2009, 48, 21-26.	2.3	32
133	Effects of SO <sub>2</sub> and pH Concentration on CO <sub>2</sub> Adsorption Capacity in Coal Seams for CO <sub>2</sub> Sequestration With Considerations for Flue Gas From Coal-Fired Power Plants. <i>Journal of Canadian Petroleum Technology</i> , 2009, 48, 58-63.	2.3	11
134	A Numerical Model and Numerical Simulations in Consideration of Permeability Reduction by Coal-Matrix Swelling for CO <sub>2</sub> -ECBMR. <i>Journal of MMIJ</i> , 2009, 125, 605-613.	0.3	2
135	Basic Study on the Microbial Conversion of CO <sub>2</sub> into CH <sub>4</sub> in Depleted Oil Reservoir by using Hydrogen-Producing Bacteria and Hydrogenotrophic Methanogens. <i>Journal of MMIJ</i> , 2009, 125, 595-604.	0.3	0
136	Advanced Education for Effective Utilization of Carbon Resources in Kyushu University. <i>Journal of MMIJ</i> , 2009, 125, 626-629.	0.3	0
137	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
138	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
139	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. <i>Physics of Plasmas</i> , 2008, 15, 022504.	1.9	7
140	Numerical Model of Temperature at Injection Tubing and Bottom Hole for Supercritical CO <sub>2</sub> Injection into Deep Coal Seams. <i>Journal of MMIJ</i> , 2008, 124, 459-466.	0.3	1
141	2608 Evaluation of CO <sub>2</sub> sorption behavior of rocks using volumetric method for CO <sub>2</sub> geological sequestration. <i>The Proceedings of the JSME Annual Meeting</i> , 2008, 2008.3, 175-176.	0.0	0
142	Analysis of sound field profile formed by conical acoustic probe with pinhole. <i>IEICE Electronics Express</i> , 2007, 4, 72-76.	0.8	0
143	2-D Image Diagnostic Technique for Edge Turbulence Using Fast Cameras. <i>Plasma and Fusion Research</i> , 2007, 2, S1055-S1055.	0.7	5
144	Two Dimensional Li Beam Imaging to Study the Magnetic Field Configuration Effects on Plasma Confinement in Spherical Tokamak CPD. <i>Plasma and Fusion Research</i> , 2007, 2, S1103-S1103.	0.7	2

#	ARTICLE	IF	CITATIONS
145	Characteristics of Adsorption, Permeability and Swelling of Coal Relating to Liquid CO <sub>2</sub> Sequestration into Coal Seams. Journal of MMIJ, 2007, 123, 518-523.	0.3	3
146	The Abilities of Hinai-Green Tuff to Adjust pH and Activate Microorganisms. Shigen-to-Sozai, 2005, 121, 513-520.	0.1	9
147	Underground Tests for Paste Backfilling at the Toyoha Mine and Energy-Cost Saving Effects of Paste Fill. Shigen-to-Sozai, 2005, 121, 330-340.	0.1	0
148	Characteristics of CO <sub>2</sub> gas permeability and adsorption of coal samples for CO <sub>2</sub> sequestration into Japanese coal seams. , 2005, , 2257-2261.		0
149	The effect of swirl flow in an immersion nozzle on the heat and fluid flow in a billet continuous casting mold. Scandinavian Journal of Metallurgy, 2004, 33, 22-28.	0.3	22
150	Multi-Fuel Capability of Solid Oxide Fuel Cells. Journal of Electroceramics, 2004, 13, 669-675.	2.0	62
151	CO <sub>2</sub> Gas Permeability and Adsorption of Coal Samples in Consideration of CO <sub>2</sub> Sequestration into Coal Seams. Shigen-to-Sozai, 2004, 120, 461-468.	0.1	3
152	An integrated mine ventilation simulator "MIVENA Ver.6" with applications. , 2002, , .		5
153	Numerical Analysis and Visualization Experiments of Groundwater Flow in a Borehole with a Cylindrical Obstacle. Journal of Groundwater Hydrology, 2001, 43, 313-325.	0.1	0
154	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
155	A Calculation Model for Liquid CO <sub>2</sub> Injection into Shallow Subseabed Aquifer. Annals of the New York Academy of Sciences, 2000, 912, 211-225.	3.8	7
156	Characteristics of Drilling Fluids at Low Temperature Range and Heat Transfer Model between Casing Pipe and Strata. International Journal of the Society of Materials Engineering for Resources, 2000, 8, 84-91.	0.1	1
157	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
158	The accuracy of residual stress measurement by the hole-drilling method. Experimental Mechanics, 1997, 37, 250-257.	2.0	14
159	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
160	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
161	Prediction Analysis of Air Temperature and Humidity in Underground Airways.. Shigen-to-Sozai, 1994, 110, 653-660.	0.1	1
162	Flow Velocity Anemometer Using Ultrasonic Waves in Underground Airways.. Shigen-to-Sozai, 1993, 109, 751-758.	0.1	2

#	ARTICLE	IF	CITATIONS
163	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
164	A Prediction System for Airflow Temperature and Humidity in Underground Ventilation Networks.. Shigen-to-Sozai, 1992, 108, 378-388.	0.1	5
165	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
166	Turbulence measurements in reverse-flow region by split-film probe.. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 1985, 51, 1615-1618.	0.2	5
167	Three-dimensional structure of large-scale vortices in the reattaching zone of a turbulent separation bubble.. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 1985, 51, 308-316.	0.2	0
168	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
169	Unsteady Flow in Reattaching Zone of a Turbulent Separation Bubble. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 1984, 50, 1684-1690.	0.2	0
170	Turbulence Structure in the Reattaching Zone of a Leading-Edge Separation Bubble. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 1984, 50, 2059-2067.	0.2	0
171	Free-Stream Turbulence Effects on a Separation Bubble : 2nd Report, Turbulence Structure in the Bubble. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 1984, 50, 1842-1847.	0.2	0
172	Structure of a turbulent separation bubble. Journal of Fluid Mechanics, 1983, 137, 83-113.	3.4	448
173	Structure of a Turbulent Separation Bubble : Measurements by a Conditional-Sampling Technique. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 1983, 49, 2610-2617.	0.2	0
174	éÇæ•Ææ, æ³•ã«ã,ã,ããéÇããã,ãããã»çÇæµã,Çãã@è§Ææž. Journal of the Flow Visualization Society of Japan, 1983(3), 98-100.		
175	Discrete-vortex simulation of a turbulent separation bubble. Journal of Fluid Mechanics, 1982, 120, 219-244.	3.4	120
176	Heat Transfer and Phase Change in Deep CO2 Injector for CO2 Geological Storage. , 0, , .		4
177	Equivalent Oxidation Exposure - Time for Low Temperature Spontaneous Combustion of Coal. , 0, , .		7
178	Nanocomposite and Nanofluids: Towards a Sustainable Carbon Capture, Utilization, and Storage. , 0, , .		3
179	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
180	Screening of UCG chemical reactions and numerical simulation up-scaling of coal seam from laboratory models. Combustion Theory and Modelling, 0, , 1-25.	1.9	1

#	ARTICLE	IF	CITATIONS
181	Interactions between fine particles and heavy crude oil: an experimental study using thermo-gravimetric and rheological analyses. <i>Petroleum Science and Technology</i> , 0, , 1-13.	1.5	0