

Agus P. Sasmito

List of Publications by Year in descending order

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193
papers

4,691
citations

81743

39
h-index

143772

57
g-index

195
all docs

195
docs citations

195
times ranked

3073
citing authors

#	ARTICLE	IF	CITATIONS
1	Geothermal energy extraction using abandoned oil and gas wells: Techno-economic and policy review. <i>International Journal of Energy Research</i> , 2022, 46, 28-60.	2.2	34
2	Field-scale experimental and numerical analysis of a downhole coaxial heat exchanger for geothermal energy production. <i>Renewable Energy</i> , 2022, 182, 521-535.	4.3	23
3	Diesel generator exhaust heat recovery fully-coupled with intake air heating for off-grid mining operations: An experimental, numerical, and analytical evaluation. <i>International Journal of Mining Science and Technology</i> , 2022, 32, 155-169.	4.6	11
4	Numerical and experimental analysis of fully coupled electromagnetic and thermal phenomena in microwave heating of rocks. <i>Minerals Engineering</i> , 2022, 178, 107406.	1.8	22
5	Renewable heating solutions for buildings; a techno-economic comparative study of sewage heat recovery and Solar Borehole Thermal Energy Storage System. <i>Energy and Buildings</i> , 2022, 259, 111892.	3.1	26
6	Thermal and hydraulic analysis of a novel double-pipe geothermal heat exchanger with a controlled fractured zone at the well bottom. <i>Applied Energy</i> , 2022, 310, 118407.	5.1	5
7	Optimization of an innovative hybrid thermal energy storage with phase change material (PCM) wall insulator utilizing Taguchi method. <i>Journal of Energy Storage</i> , 2022, 49, 104067.	3.9	23
8	Experimental and unified mathematical frameworks of water-ice phase change for cold thermal energy storage. <i>International Journal of Heat and Mass Transfer</i> , 2022, 187, 122536.	2.5	14
9	THE CORRELATION BETWEEN FLUID FLOW AND HEAT TRANSFER OF UNSATURATED SHALE RESERVOIR BASED ON FRACTAL GEOMETRY. <i>Fractals</i> , 2022, 30, .	1.8	4
10	A real-time monitoring temperature-dependent risk index for predicting mine water inrush from collapse columns through a coupled thermal-hydraulic-mechanical model. <i>Journal of Hydrology</i> , 2022, 607, 127565.	2.3	10
11	Convective Heat Transfer Enhancement of Laminar Herschel-Bulkley Non-Newtonian Fluid in Straight and Helical Heat Exchangers with Twisted Tape Inserts. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 814-844.	1.8	19
12	Numerical investigation of aqueous graphene nanofluid ice slurry passing through a horizontal circular pipe: Heat transfer and fluid flow characteristics. <i>International Communications in Heat and Mass Transfer</i> , 2022, 134, 106022.	2.9	10
13	Effect of Elevated Temperature on Rhyolitic Rocks™ Properties. <i>Materials</i> , 2022, 15, 3204.	1.3	5
14	Pore-Scale Modeling in Metal Foam Heat Exchanger. <i>ECS Transactions</i> , 2022, 107, 7713-7722.	0.3	0
15	Evaluation of Rheology Measurements Techniques for Pressure Loss in Mine Paste Backfill Transportation. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 678.	0.8	3
16	Computational study of microwave heating for rock fragmentation; model development and validation. <i>International Journal of Thermal Sciences</i> , 2022, 181, 107746.	2.6	8
17	Development and validation of a semi-analytical framework for droplet freezing with heterogeneous nucleation and non-linear interface kinetics. <i>International Journal of Heat and Mass Transfer</i> , 2021, 166, 120734.	2.5	13
18	Experimental investigation on the effects of microwave irradiation on kimberlite and granite rocks. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2021, 13, 267-274.	3.7	27

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19	Numerical analysis of permeability rebound and recovery during coalbed methane extraction: Implications for CO ₂ injection methods. <i>Chemical Engineering Research and Design</i> , 2021, 149, 93-104.	2.7	20
20	Experimental investigation of specific heat of aqueous graphene oxide Al ₂ O ₃ hybrid nanofluid. <i>Thermal Science</i> , 2021, 25, 515-525.	0.5	22
21	Impact of COVID-19-Related Traffic Slowdown on Urban Heat Characteristics. <i>Atmosphere</i> , 2021, 12, 243.	1.0	27
22	Progress on open cathode proton exchange membrane fuel cell: Performance, designs, challenges and future directions. <i>Applied Energy</i> , 2021, 283, 116359.	5.1	55
23	Catalyst Special Issue on Catalytic Reactors Design for Industrial Applications. <i>Catalysts</i> , 2021, 11, 440.	1.6	0
24	Advances in dewatering and drying in mineral processing. <i>Drying Technology</i> , 2021, 39, 1667-1684.	1.7	16
25	Turbulent convective heat transfer in helical tube with twisted tape insert. <i>International Journal of Heat and Mass Transfer</i> , 2021, 169, 120918.	2.5	43
26	A Novel Crystal Growth Model with Nonlinear Interface Kinetics and Curvature Effects: Sensitivity Analysis and Optimization. <i>Crystal Growth and Design</i> , 2021, 21, 3251-3265.	1.4	5
27	Development of conjugate reduced-order models for selective artificial ground freezing: Thermal and computational analysis. <i>Applied Thermal Engineering</i> , 2021, 190, 116782.	3.0	16
28	An analytical correlation for conjugate heat transfer in fin and tube heat exchangers. <i>International Journal of Thermal Sciences</i> , 2021, 164, 106915.	2.6	16
29	Development and validation of an asymptotic solution for a two-phase Stefan problem in a droplet subjected to convective boundary condition. <i>International Journal of Thermal Sciences</i> , 2021, 164, 106923.	2.6	12
30	FRactal treelike fracture network model for hydraulically and mechanically induced dynamic changes in the non-Darcy coefficient during the process of mine water inrush from collapsed columns. <i>Fractals</i> , 2021, 29, .	1.8	3
31	Enhancement of Continuous-Feed Low-Cost Solar Distiller: Effects of Various Fin Designs. <i>Energies</i> , 2021, 14, 4844.	1.6	11
32	Numerical evaluation, process design and techno-economic analysis of geothermal energy extraction from abandoned oil wells in Malaysia. <i>Renewable Energy</i> , 2021, 175, 868-879.	4.3	15
33	Numerical study on the cooling characteristics of hybrid thermosyphons: Case study of the Giant Mine, Canada. <i>Cold Regions Science and Technology</i> , 2021, 189, 103313.	1.6	9
34	Asymptotic analysis of a two-phase Stefan problem in annulus: Application to outward solidification in phase change materials. <i>Applied Mathematics and Computation</i> , 2021, 408, 126343.	1.4	9
35	An overview of directions for decarbonization of energy systems in cold climate remote mines. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 152, 111711.	8.2	12
36	Thermal performance evaluation of integrated solar-geothermal system; a semi-conjugate reduced order numerical model. <i>Applied Energy</i> , 2021, 303, 117676.	5.1	11

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37	Hybrid artificial ground freezing as a sustainable solution for containing hazardous-waste in critical environmental projects. <i>Cold Regions Science and Technology</i> , 2021, 192, 103401.	1.6	9
38	An Analytical Model for Transient Heat Transfer with a Time-Dependent Boundary in Solar- and Waste-Heat-Assisted Geothermal Borehole Systems: From Single to Multiple Boreholes. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10338.	1.3	2
39	Heat Transfer and Entropy Generation in Concentric/Eccentric Double-Pipe Helical Heat Exchangers. <i>Heat Transfer Engineering</i> , 2020, 41, 1552-1575.	1.2	9
40	Performance evaluation of mass transport enhancement in novel dual-channel design of micro-reactors. <i>Heat and Mass Transfer</i> , 2020, 56, 559-574.	1.2	5
41	Thermal and hydraulic analysis of selective artificial ground freezing using air insulation: Experiment and modeling. <i>Computers and Geotechnics</i> , 2020, 120, 103416.	2.3	25
42	Performance Evaluation of Liquid Mixing in a T-Junction Passive Micromixer with a Twisted Tape Insert. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 3904-3915.	1.8	19
43	Energy analysis of the effectiveness of microwave-assisted fragmentation. <i>Minerals Engineering</i> , 2020, 159, 106642.	1.8	33
44	Forced convection boiling heat transfer inside helically-coiled heat exchanger. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 463, 012030.	0.2	1
45	Experimental investigation of the performance of thermal energy storage with embedded phase change materials as wall insulator. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 463, 012139.	0.2	0
46	Friction factor correlation for airflow through broken rocks and its applications in mine ventilation. <i>International Journal of Mining Science and Technology</i> , 2020, 30, 455-462.	4.6	10
47	Numerical Evaluation of the Transient Performance of Rock-Pile Seasonal Thermal Energy Storage Systems Coupled with Exhaust Heat Recovery. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7771.	1.3	2
48	Numerical Investigation of Ventilation Air Methane Catalytic Combustion in Circular Straight and Helical Coil Channels with Twisted Tape Insert in Catalytic-Monolith Reactors. <i>Catalysts</i> , 2020, 10, 797.	1.6	6
49	Artificial ground freezing: A review of thermal and hydraulic aspects. <i>Tunnelling and Underground Space Technology</i> , 2020, 104, 103534.	3.0	69
50	Thermal Conductivity and Stability of Novel Aqueous Graphene Oxide-Al ₂ O ₃ Hybrid Nanofluids for Cold Energy Storage. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5768.	1.3	21
51	Application of Phase Change Material-Based Thermal Capacitor in Double Tube Heat Exchanger—A Numerical Investigation. <i>Energies</i> , 2020, 13, 4327.	1.6	3
52	Numerical study of waste heat recovery by direct heat exchanger systems. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 463, 012031.	0.2	4
53	Hybrid Renewable Hydrogen Energy Solution for Application in Remote Mines. <i>Energies</i> , 2020, 13, 6365.	1.6	9
54	Flow characterisation of monopropylene glycol ice slurry through a horizontal U-bend: A numerical approach. <i>European Journal of Mechanics, B/Fluids</i> , 2020, 82, 93-105.	1.2	11

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55	Effects of cyclic saturation of supercritical CO ₂ on the pore structures and mechanical properties of bituminous coal: An experimental study. <i>Journal of CO₂ Utilization</i> , 2020, 40, 101208.	3.3	41
56	The 75th birthday of Professor Arun S. Mujumdar. <i>Drying Technology</i> , 2020, 38, 555-556.	1.7	0
57	Laminar convective heat transfer in helical tube with twisted tape insert. <i>International Journal of Heat and Mass Transfer</i> , 2020, 150, 119309.	2.5	61
58	Numerical and experimental study of transient conjugate heat transfer in helical closed-loop geothermal heat exchangers for application of thermal energy storage in backfilled mine stopes. <i>International Journal of Energy Research</i> , 2020, 44, 9609-9616.	2.2	9
59	Development of Analytical Solution for a Two-Phase Stefan Problem in Artificial Ground Freezing Using Singular Perturbation Theory. <i>Journal of Heat Transfer</i> , 2020, 142, .	1.2	11
60	Hydrogen Fuel Cell in Vehicle Propulsion: Performance, Efficiency, and Challenge. , 2020, , 9-26.		0
61	Performance and Fuel Consumption of Diesel Engine Fueled by Diesel Fuel and Waste Plastic Oil Blends: An Experimental Investigation. <i>Automotive Experiences</i> , 2020, 4, 20-26.	0.5	4
62	Numerical Investigation of Subcooled Boiling Heat Transfer in Helically-Coiled Tube. <i>International Journal of Automotive and Mechanical Engineering</i> , 2020, 17, 7675-7686.	0.5	0
63	Process design and techno-economic analysis of ethyl levulinate production from carbon dioxide and 1,4-butanediol as an alternative biofuel and fuel additive. <i>International Journal of Energy Research</i> , 2019, 43, 5932-5945.	2.2	5
64	Freezing on demand: A new concept for mine safety and energy savings in wet underground mines. <i>International Journal of Mining Science and Technology</i> , 2019, 29, 621-627.	4.6	23
65	A porous medium based heat transfer and fluid flow model for thermal energy storage in packed rock beds. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 268, 012100.	0.2	3
66	Numerical investigation of rock-pile based waste heat storage for remote communities in cold climates. <i>Applied Energy</i> , 2019, 252, 113475.	5.1	22
67	A new model to analyze performance of mine exhaust heat recovery systems with coupled heat exchangers. <i>Applied Energy</i> , 2019, 256, 113922.	5.1	17
68	Optimization of geothermal energy extraction from abandoned oil well with a novel well bottom curvature design utilizing Taguchi method. <i>Energy</i> , 2019, 188, 116098.	4.5	19
69	Performance Evaluation of Ground-Coupled Seasonal Thermal Energy Storage with High Resolution Weather Data: Case Study of Calgary Canada. <i>Energy Procedia</i> , 2019, 158, 4980-4985.	1.8	2
70	Optimization of Membrane Electrode Assembly of PEM Fuel Cell by Response Surface Method. <i>Molecules</i> , 2019, 24, 3097.	1.7	19
71	Study of transient conjugate heat transfer in helical closed-loop geothermal heat exchangers for application of thermal energy storage in backfilled mine stopes. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 268, 012086.	0.2	2
72	Renewable energy-based artificial ground freezing as an adaptation solution for sustainability of permafrost in post-climate change conditions. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 268, 012128.	0.2	1

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73	Estimating pressure drop and Ergun/Forchheimer parameters of flow through packed bed of spheres with large particle diameters. Powder Technology, 2019, 356, 310-324.	2.1	29
74	Ice versus battery storage; a case for integration of renewable energy in refrigeration systems of remote sites. Energy Procedia, 2019, 159, 60-65.	1.8	18
75	Performance and economic assessment of large-scale deep-lake cooling systems: A Canadian example. Energy Procedia, 2019, 158, 43-48.	1.8	4
76	The Effect of Triangular Protrusions on Geothermal Wellbore Heat Exchanger from Retrofitted Abandoned Oil Wells. Energy Procedia, 2019, 158, 6061-6066.	1.8	5
77	Latent Heat Thermal Capacitor in Heat Exchangers- a Computational Investigation. Energy Procedia, 2019, 158, 5529-5534.	1.8	1
78	Freezing on Demand (FoD): An Energy Saving Technique for Artificial Ground Freezing. Energy Procedia, 2019, 158, 4992-4997.	1.8	8
79	On the concept of the freezing-on-demand (FoD) in artificial ground freezing for long-term applications. International Journal of Heat and Mass Transfer, 2019, 143, 118557.	2.5	22
80	Designing a Large-Scale Lake Cooling System for an Ultra-Deep Mine: A Canadian Case Study. Energies, 2019, 12, 811.	1.6	6
81	Advances in proton exchange membrane fuel cell with dead-end anode operation: A review. Applied Energy, 2019, 252, 113416.	5.1	93
82	On the performance of ground coupled seasonal thermal energy storage for heating and cooling: A Canadian context. Applied Energy, 2019, 250, 593-604.	5.1	11
83	Numerical Evaluation of Potential Catalyst Savings for Ventilation Air Methane Catalytic Combustion in Helical Coil Reactors with Selective Wall Coating. Catalysts, 2019, 9, 380.	1.6	3
84	Entropy Generation and Heat Transfer Performance in Microchannel Cooling. Entropy, 2019, 21, 191.	1.1	10
85	Recovering waste heat from diesel generator exhaust; an opportunity for combined heat and power generation in remote Canadian mines. Journal of Cleaner Production, 2019, 225, 785-805.	4.6	33
86	Heat transfer analysis in artificial ground freezing under high seepage: Validation and heatlines visualization. International Journal of Thermal Sciences, 2019, 139, 232-245.	2.6	54
87	Pressure loss and friction factor in non-Newtonian mine paste backfill: Modelling, loop test and mine field data. Powder Technology, 2019, 344, 443-453.	2.1	33
88	Water droplet dynamics in a dead-end anode proton exchange membrane fuel cell. Applied Energy, 2019, 233-234, 300-311.	5.1	36
89	An effective thermal conductivity model for fractal porous media with rough surfaces. Advances in Geo-Energy Research, 2019, 3, 149-155.	3.1	31
90	Verification and Validation of Droplet Freezing for Convective Boundary Condition Using Matched Asymptotic Perturbation Method and Computational Fluid Dynamics., 2019, , .		0

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91	Singular Perturbation Solution for a Two-Phase Stefan Problem in Outward Solidification. , 2019, , .		0
92	Effect of buoyancy-driven natural convection in a rock-pit mine air preconditioning system acting as a large-scale thermal energy storage mass. Applied Energy, 2018, 221, 268-279.	5.1	20
93	Measurement and modeling of thermal conductivity of graphene nanoplatelet water and ethylene glycol base nanofluids. International Journal of Heat and Mass Transfer, 2018, 123, 97-109.	2.5	82
94	Numerical investigation of heat transfer performance of a rotating latent heat thermal energy storage. Applied Energy, 2018, 227, 542-554.	5.1	78
95	Conjugated Heat Transfer Analysis in a Host Rockâ€œDrift System at Deep Underground Mines. Proceedings (mdpi), 2018, 2, 1428.	0.2	0
96	Development and Validation of Enthalpy-Porosity Method for Artificial Ground Freezing Under Seepage Conditions. , 2018, , .		2
97	Numerical Evaluation of Heat Transfer and Entropy Generation of Helical Tubes with Various Cross-sections under Constant Heat Flux Condition. MATEC Web of Conferences, 2018, 225, 03017.	0.1	3
98	Optimizing replacement time for mining shovel teeth using reliability analysis and Markov chain Monte Carlo simulation. International Journal of Quality and Reliability Management, 2018, 35, 2388-2402.	1.3	0
99	Conjugate heat transfer in artificial ground freezing using enthalpy-porosity method: Experiments and model validation. International Journal of Heat and Mass Transfer, 2018, 126, 740-752.	2.5	65
100	Optimization of Wavy-Channel Micromixer Geometry Using Taguchi Method. Micromachines, 2018, 9, 70.	1.4	14
101	Optimization of an open-cathode polymer electrolyte fuel cells stack utilizing Taguchi method. Applied Energy, 2017, 185, 1225-1232.	5.1	43
102	Performance evaluation of large scale rock-pit seasonal thermal energy storage for application in underground mine ventilation. Applied Energy, 2017, 185, 1940-1947.	5.1	62
103	Prediction of air flow, methane, and coal dust dispersion in a room and pillar mining face. International Journal of Mining Science and Technology, 2017, 27, 657-662.	4.6	55
104	EFFECTIVE PERMEABILITY OF FRACTURED POROUS MEDIA WITH FRACTAL DUAL-POROSITY MODEL. Fractals, 2017, 25, 1740014.	1.8	23
105	Correlating variability of the leakage characteristics with the hydraulic performance of an auxiliary ventilation system. Building and Environment, 2017, 121, 200-214.	3.0	10
106	Performance evaluation of a PEM fuel cell stack with variable inlet flows under simulated driving cycle conditions. Applied Energy, 2017, 206, 751-764.	5.1	34
107	Water Dynamics in the Flow Channel of a Dead-end Anode Polymer Electrolyte Membrane Fuel Cell. Energy Procedia, 2017, 105, 1877-1882.	1.8	4
108	Analysis of energy consumption and carbon footprint from underground haulage with different power sources in typical Canadian mines. Journal of Cleaner Production, 2017, 166, 21-31.	4.6	12

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109	A Conjugate Natural Convection Model for Large Scale Seasonal Thermal Energy Storage Units: Application in Mine Ventilation. Energy Procedia, 2017, 105, 4167-4172.	1.8	9
110	Investigation of Heat Transfer on a Rotating Latent Heat Energy Storage. Energy Procedia, 2017, 105, 4173-4178.	1.8	7
111	Performance and potential energy saving of thermal dryer with intermittent impinging jet. Applied Thermal Engineering, 2017, 113, 246-258.	3.0	5
112	Flow characteristics and wear prediction of Herschel-Bulkley non-Newtonian paste backfill in pipe elbows. Canadian Journal of Chemical Engineering, 2017, 95, 1181-1191.	0.9	30
113	Thermal performance optimization of a bayonet tube heat exchanger. Applied Thermal Engineering, 2017, 111, 232-247.	3.0	19
114	Evaluation of Heat Transfer Performance between Rock and Air in Seasonal Thermal Energy Storage Unit. Energy Procedia, 2017, 142, 576-581.	1.8	11
115	Characterization of an Open-loop Seasonal Thermal Energy Storage System. Energy Procedia, 2017, 142, 3401-3406.	1.8	8
116	Numerical investigation of phase change materials thermal capacitor for pipe flow. MATEC Web of Conferences, 2017, 131, 01001.	0.1	2
117	Heat transfer performance and entropy generation of helical square tubes with various curvature radiuses. Energy Procedia, 2017, 142, 4064-4069.	1.8	5
118	Intermittent Freezing Concept for Energy Saving in Artificial Ground Freezing Systems. Energy Procedia, 2017, 142, 3920-3925.	1.8	17
119	Analysing equipment allocation through queuing theory and Monte-Carlo simulations in surface mining operations. International Journal of Mining and Mineral Engineering, 2017, 8, 56.	0.1	7
120	Performance analysis of a new positron camera geometry for high speed, fine particle tracking. Measurement Science and Technology, 2017, 28, 095402.	1.4	10
121	Analysing equipment allocation through queuing theory and Monte-Carlo simulations in surface mining operations. International Journal of Mining and Mineral Engineering, 2017, 8, 56.	0.1	2
122	Transport Phenomena and Properties in Treelike Networks. Applied Mechanics Reviews, 2016, 68, .	4.5	94
123	A FRACTAL NETWORK MODEL FOR FRACTURED POROUS MEDIA. Fractals, 2016, 24, 1650018.	1.8	71
124	Numerical investigation of heat transfer and entropy generation of laminar flow in helical tubes with various cross sections. Applied Thermal Engineering, 2016, 102, 849-860.	3.0	62
125	Thermal Performance of Coiled Square Tubes at Large Temperature Differences for Heat Exchanger Application. Heat Transfer Engineering, 2016, 37, 1341-1356.	1.2	8
126	A novel concept of enhanced gas recovery strategy from ventilation air methane in underground coal mines – A computational investigation. Journal of Natural Gas Science and Engineering, 2016, 35, 661-672.	2.1	24

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127	Reliability effect on energy consumption and greenhouse gas emissions of mining hauling fleet towards sustainable mining. <i>Journal of Sustainable Mining</i> , 2016, 15, 85-94.	0.1	35
128	Global and local transport properties of steady and unsteady flow in a symmetrical bronchial tree. <i>International Journal of Heat and Mass Transfer</i> , 2016, 97, 696-704.	2.5	15
129	Potential catalyst savings in heterogeneous gaseous spiral coiled reactor utilizing selective wall coating " A computational study. <i>Computers and Chemical Engineering</i> , 2016, 88, 59-72.	2.0	3
130	Heat transfer and entropy generation in air jet impingement on a model rough surface. <i>International Communications in Heat and Mass Transfer</i> , 2016, 72, 48-56.	2.9	46
131	Advances in biofuel production from oil palm and palm oil processing wastes: A review. <i>Biofuel Research Journal</i> , 2016, 3, 332-346.	7.2	122
132	Heat transfer performance of non-circular coiled tubes - Research summary, challenges and directions. <i>International Journal of Automotive and Mechanical Engineering</i> , 2016, 13, 3710-3727.	0.5	4
133	Optimization of Design Parameters for an Open-cathode Polymer Electrolyte Fuel Cells Stack Utilizing Taguchi Method. <i>Energy Procedia</i> , 2015, 75, 2027-2032.	1.8	7
134	A Factorial Study to Investigate the Purging Effect on the Performance of a Dead-End Anode PEM Fuel Cell Stack. <i>Fuel Cells</i> , 2015, 15, 160-169.	1.5	29
135	Transport Phenomena in Porous Media and Fractal Geometry. <i>Journal of Chemistry</i> , 2015, 2015, 1-2.	0.9	1
136	Investigation of the purging effect on a dead-end anode PEM fuel cell-powered vehicle during segments of a European driving cycle. <i>Energy Conversion and Management</i> , 2015, 106, 951-957.	4.4	41
137	Computational evaluation of thermal management strategies in an underground mine. <i>Applied Thermal Engineering</i> , 2015, 90, 1144-1150.	3.0	77
138	Numerical Investigation of Heat Transfer Performance of Various Coiled Square Tubes for Heat Exchanger Application. <i>Energy Procedia</i> , 2015, 75, 3168-3173.	1.8	3
139	Heat Transfer Analysis of Large Scale Seasonal Thermal Energy Storage for Underground Mine Ventilation. <i>Energy Procedia</i> , 2015, 75, 2093-2098.	1.8	21
140	Introduction and evaluation of a novel hybrid brattice for improved dust control in underground mining faces: A computational study. <i>International Journal of Mining Science and Technology</i> , 2015, 25, 537-543.	4.6	27
141	Performance evaluation of an open-cathode PEM fuel cell stack under ambient conditions: Case study of United Arab Emirates. <i>Energy Conversion and Management</i> , 2015, 105, 798-809.	4.4	44
142	Numerical investigation of the effect of operating parameters on a planar solid oxide fuel cell. <i>Energy Conversion and Management</i> , 2015, 90, 138-145.	4.4	24
143	Energy-Efficient Novel Heterogeneous Gaseous T-Junction Microreactor Design Utilizing Inlet Flow Pulsation. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 18699-18710.	1.8	7
144	Effect of operating parameters on the transient performance of a polymer electrolyte membrane fuel cell stack with a dead-end anode. <i>Applied Energy</i> , 2014, 130, 692-701.	5.1	67

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145	Prediction and innovative control strategies for oxygen and hazardous gases from diesel emission in underground mines. <i>Science of the Total Environment</i> , 2014, 481, 317-334.	3.9	61
146	CFD simulation of methane dispersion and innovative methane management in underground mining faces. <i>Applied Mathematical Modelling</i> , 2014, 38, 3467-3484.	2.2	122
147	Dust dispersion and management in underground mining faces. <i>International Journal of Mining Science and Technology</i> , 2014, 24, 39-44.	4.6	128
148	Simulation of a novel intermittent ventilation system for underground mines. <i>Tunnelling and Underground Space Technology</i> , 2014, 42, 206-215.	3.0	73
149	Numerical investigation of mixing performance in microchannel T-junction with wavy structure. <i>Computers and Fluids</i> , 2014, 96, 10-19.	1.3	79
150	Evaluation of mass transport performance in heterogeneous gaseous in-plane spiral reactors with various cross-section geometries at fixed cross-section area. <i>Chemical Engineering and Processing: Process Intensification</i> , 2014, 82, 101-111.	1.8	15
151	Laminar heat transfer performance of power law fluids in coiled square tube with various configurations. <i>International Communications in Heat and Mass Transfer</i> , 2014, 57, 100-108.	2.9	24
152	Guest Editorial: Importance of "Drying" in Proton Exchange Membrane (PEM) Fuel Cells. <i>Drying Technology</i> , 2013, 31, 491-493.	1.7	0
153	Some approaches to improve ventilation system in underground coal mines environment "A computational fluid dynamic study. <i>Tunnelling and Underground Space Technology</i> , 2013, 34, 82-95.	3.0	112
154	Passive thermal management for PEM fuel cell stack under cold weather condition using phase change materials (PCM). <i>Applied Thermal Engineering</i> , 2013, 58, 615-625.	3.0	57
155	Energy-efficient thermal drying using impinging-jets with time-varying heat input "A computational study. <i>Journal of Food Engineering</i> , 2013, 114, 269-277.	2.7	25
156	Heat Transfer in Coiled Square Tubes for Laminar Flow of Slurry of Microencapsulated Phase Change Material. <i>Heat Transfer Engineering</i> , 2013, 34, 994-1007.	1.2	20
157	Improved design for heat transfer performance of a novel phase change material (PCM) thermal energy storage (TES). <i>Applied Thermal Engineering</i> , 2013, 50, 896-907.	3.0	127
158	Numerical Investigation of the High Temperature PEM Electrolyzer: Effect of Flow Channel Configurations. <i>ECS Transactions</i> , 2013, 58, 99-112.	0.3	33
159	Numerical performance study of paraffin wax dispersed with alumina in a concentric pipe latent heat storage system. <i>Thermal Science</i> , 2013, 17, 419-430.	0.5	58
160	Investigation of the Purging Effect on the Performance of Dead-End Anode PEM Fuel Cell Vehicle: A Driving Cycle Test. <i>ECS Transactions</i> , 2013, 58, 229-242.	0.3	4
161	Numerical Investigation of Water and Temperature Distributions for Open-Cathode Polymer Electrolyte Fuel Cell Stack With Edge Cooling. , 2013, , .		1
162	Numerical Investigation of Water and Temperature Distributions for Open-Cathode Polymer Electrolyte Fuel Cell Stack With Edge Cooling. <i>Journal of Fuel Cell Science and Technology</i> , 2013, 10, .	0.8	5

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