Sheikh Abdul Rezan

List of Publications by Year
in descending order

59	549	759055 12	713332 21
papers	citations	h-index	g-index

61	61	61	390
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Clinoptilolite augmented electrocoagulation process for the reduction of highâ€strength ammonia and color from stabilized landfill leachate. Water Environment Research, 2021, 93, 596-607.	1.3	9
2	Characterization of titanium oxide optical band gap produced from leachate sludge treatment with titanium tetrachloride. Environmental Science and Pollution Research, 2021, 28, 17587-17601.	2.7	9
3	Characterization of TiH2 Powders Produced from TiCl4-MgH2 Reactions under Hydrogen Atmosphere. Journal of Materials Engineering and Performance, 2021, 30, 3243-3257.	1.2	2
4	Economic evaluation of thorium oxide production from monazite using alkaline fusion method. Nuclear Engineering and Technology, 2021, 53, 2418-2425.	1.1	3
5	A continuous clinoptilolite augmented SBR-electrocoagulation process to remove concentrated ammonia and colour in landfill leachate. Environmental Technology and Innovation, 2021, 23, 101575.	3.0	13
6	Synthesis of Ti Powder from the Reduction of TiCl4 with Metal Hydrides in the H2 Atmosphere: Thermodynamic and Techno-Economic Analyses. Processes, 2021, 9, 1567.	1.3	4
7	Synthesis of TiH2 powder from ilmenite using MgH2 under H2 atmosphere. Materials Letters, 2021, 298, 129997.	1.3	3
8	High-temperature carbothermal dephosphorization of Malaysian monazite. Physicochemical Problems of Mineral Processing, 2021, , .	0.2	0
9	Kinetic modelling of alkaline leaching of thorium hydroxide (Th(OH)4) from monazite. AIP Conference Proceedings, 2021, , .	0.3	0
10	The dephosphorization behaviour of Malaysian Monazite concentrates. AIP Conference Proceedings, 2020, , .	0.3	2
11	Evaluation of chlorination of nitrided ilmenite by statistical analysis. AIP Conference Proceedings, 2020, , .	0.3	0
12	Study the effect of calcination temperature and time on TiO2 band gap synthesized from TiCl4 coagulation sludge. Materials Today: Proceedings, 2020, 32, 407-411.	0.9	1
13	Optimization and Analysis of Zeolite Augmented Electrocoagulation Process in the Reduction of High-Strength Ammonia in Saline Landfill Leachate. Water (Switzerland), 2020, 12, 247.	1.2	23
14	Chemical and Mineralogical Characterization of Malaysian Monazite Concentrate. Mining, Metallurgy and Exploration, 2020, 37, 415-431.	0.4	8
15	Thermodynamic Investigation of Titanium Hydride Formation from Reduction of Titanium (â...£) Chloride with Magnesium Hydride in Presence of Hydrogen Atmosphere. MATEC Web of Conferences, 2020, 321, 07014.	0.1	5
16	Kinetic modelling of oxidation of metallic iron to iron sulfate from iron-titanium oxycarbonitride composite. Materials Today: Proceedings, 2019, 17, 525-533.	0.9	2
17	Effect of Nickel as Catalyst on the Activation of Titanium Hydride (TiH2) to Titanium Trichloride (TiCl3). Materials Today: Proceedings, 2019, 17, 743-751.	0.9	1
18	Isothermal and non-isothermal kinetic modelling of carbothermal reduction of Titanium Dioxide-Iron (II) Oxide (TiO2-Fe2O3) composite with natural gas. Materials Today: Proceedings, 2019, 17, 655-663.	0.9	2

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19	Synthesis of SnO2 Nanoparticles via Hydrothermal Method and Their Gas Sensing Applications for Ethylene Detection. Materials Today: Proceedings, 2019, 17, 810-819.	0.9	25
20	Reduction of TiCl4 to TiH2 with CaH2 in Presence of Ni Powder. Minerals, Metals and Materials Series, 2019, , 131-144.	0.3	1
21	Ethylene Gas Sensing Properties of Tin Oxide Nanowires Synthesized via CVD Method. IOP Conference Series: Materials Science and Engineering, 2018, 318, 012038.	0.3	6
22	Chlorination of Titanium Carbonitride (TiC_{0.7}N_{0.3}) for Production of TiCl₄. Journal of Physics: Conference Series, 2018, 1082, 012032.	0.3	1
23	Modelling of Carbothermal Reduction of Tio₂-Fe₂o₃ Composite with Compressed Natural Gas Using Design of Experiment. Journal of Physics: Conference Series, 2018, 1082, 012036.	0.3	2
24	Formation of Titanium Hydride from the Reaction Between Magnesium Hydride and Titanium Tetrachloride. Journal of Physics: Conference Series, 2018, 1082, 012003.	0.3	5
25	Characterization of Malaysian Monazite Concentrate for The Recovery of Thorium Dioxide. Journal of Physics: Conference Series, 2018, 1082, 012090.	0.3	7
26	Mathematical Modelling of Titanium Hydride Formation from Titanium Tetrachloride with Magnesium Hydride using Matlab. Journal of Physics: Conference Series, 2018, 1082, 012037.	0.3	5
27	Minerals Characterization of Magnetic and Non-Magnetic Element from Black Sand Langkawi. Solid State Phenomena, 2018, 280, 440-447.	0.3	5
28	Kinetic Modeling of Ilmenite Reduction with Compressed Natural Gas (CNG) Using MATLAB. Materials Science Forum, 2018, 928, 113-122.	0.3	2
29	Formation of Titanium Sulfide from Titanium Oxycarbonitride by CS2 Gas. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2018, 49, 1808-1821.	1.0	17
30	The Effects of Experimental Variables on Iron Removal from Nitrided Malaysian Ilmenite by Becher Process. Minerals, Metals and Materials Series, 2018, , 1383-1396.	0.3	1
31	Effect of Carbon Reductant on the Formation of Copper Doped Titanium Oxycarbonitride by Carbothermal Reduction and Nitridation. Minerals, Metals and Materials Series, 2017, , 237-250.	0.3	0
32	Synthesis of titanium oxycarbonitride by carbothermal reduction and nitridation of ilmenite with recycling of polyethylene terephthalate (PET). International Journal of Minerals, Metallurgy and Materials, 2017, 24, 444-454.	2.4	23
33	Extraction of titanium from low-iron nitrided Malaysian ilmenite by chlorination. AIP Conference Proceedings, 2017, , .	0.3	2
34	Kinetic modeling of liquefied petroleum gas (LPG) reduction of titania in MATLAB. Journal of Physics: Conference Series, 2017, 822, 012063.	0.3	2
35	Chlorination Kinetics of Titanium Nitride for Production of Titanium Tetrachloride from Nitrided Ilmenite. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2017, 48, 2354-2366.	1.0	28
36	Sustainable carbothermal reduction and nitridation of Malaysian ilmenite by polyethylene terephthalate and coal. AIP Conference Proceedings, 2017, , .	0.3	1

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37	Kinetic modelling of chlorination of nitrided ilmenite using MATLAB. AIP Conference Proceedings, 2016, , .	0.3	3
38	Assessment of Titanium Carbide Chlorination by Statistical Design. Materials Science Forum, 2016, 860, 111-114.	0.3	4
39	Synthesis of Tin Oxide Nanostructures Using Hydrothermal Method and Optimization of its Crystal size by Using Statistical Design of Experiment. Procedia Chemistry, 2016, 19, 993-998.	0.7	28
40	Processing of Black Sand for the Recovery of Metal. Materials Science Forum, 2016, 880, 63-66.	0.3	4
41	Aeration Leaching of Iron from Nitrided Malaysian Ilmenite Reduced by Polystyrene-Coal Reductant. Procedia Chemistry, 2016, 19, 715-720.	0.7	6
42	Non-Isothermal Kinetic Modelling for Hydrogen Reduction of Ferric Oxide Using Matlab. Materials Science Forum, 2015, 819, 3-8.	0.3	3
43	Mechanism and optimization of titanium carbide-reinforced iron composite formation through carbothermal reduction of hematite and anatase. Journal of Alloys and Compounds, 2014, 587, 442-450.	2.8	12
44	Assessment of hexavalent chromium release in Malaysian electric arc furnace steel slag for fertilizer usage. IOP Conference Series: Earth and Environmental Science, 2014, 19, 012004.	0.2	11
45	Comparison of Silica Sand Properties from Kandal Province, Cambodia and Tapah, Perak, Malaysia and Characterization of Soda Lime Silicate Glass Produced From Cambodian Silica Sand. Advanced Materials Research, 2013, 858, 248-253.	0.3	1
46	An Assessment of the Carbothermal Reduction of Malaysian Ilmenite by Statistical Design. Advanced Materials Research, 2013, 858, 221-227.	0.3	5
47	Phase Development in Carbothermal Reduction and Nitridation of Ilmenite Concentrates. High Temperature Materials and Processes, 2012, 31, 381-388.	0.6	13
48	Carbothermal Reduction and Nitridation of Ilmenite Concentrates. ISIJ International, 2012, 52, 363-368.	0.6	42
49	Effect of Gas Atmosphere on Carbothermal Reduction and Nitridation of Titanium Dioxide. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2012, 43, 73-81.	1.0	28
50	Carbothermal Reduction and Nitridation of Titanium Dioxide in a <scp>H₂â€“N₂</scp> Gas Mixture. Journal of the American Ceramic Society, 2011, 94, 3804-3811.	1.9	31
51	Third order nonlinear polymer materials for photonics. Journal of Materials Science Letters, 2003, 22, 737-738.	0.5	8
52	Non-Imaging, Focusing Heliostat. Solar Energy, 2001, 71, 155-164.	2.9	93
53	Crystallization of Potassium Calcium Silicate from Modified Industrial EAF Slag. Advanced Materials Research, 0, 620, 66-71.	0.3	5
54	Synthesis and Gas Sensing Properties of SnO₂ Nanostructures by Thermal Evaporation. Advanced Materials Research, 0, 620, 350-355.	0.3	1

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55	Assessment of EAF Steel Slag Solubility by Statistical Design. Advanced Materials Research, 0, 858, 228-235.	0.3	3
56	Microstructural Study of Reduced Malaysian Ilmenite by Carbothermal Reduction and Nitridation in Nitrogen Atmosphere. Advanced Materials Research, 0, 858, 265-271.	0.3	10
57	An Assessment of Chemical Vapor Deposition Synthesis of SnO₂ Nanowires by Statistical Design. Key Engineering Materials, 0, 701, 52-56.	0.4	5
58	Microstructural Study of Leached Nitrided Malaysian Ilmenite with Coal-Polystyrene Reductant. Key Engineering Materials, 0, 701, 132-137.	0.4	4
59	Characterization of Langkawi Black Sand for the Recovery of Titanium. Key Engineering Materials, 0, 709, 70-73.	0.4	4