

Sheikh Abdul Rezan

List of Publications by Year in descending order

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papers

549
citations

759055

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713332

21
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61
all docs

61
docs citations

61
times ranked

390
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-Imaging, Focusing Heliostat. Solar Energy, 2001, 71, 155-164.	2.9	93
2	Carbothermal Reduction and Nitridation of Ilmenite Concentrates. ISIJ International, 2012, 52, 363-368.	0.6	42
3	Carbothermal Reduction and Nitridation of Titanium Dioxide in a H_2 - N_2 Gas Mixture. Journal of the American Ceramic Society, 2011, 94, 3804-3811.	1.9	31
4	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
5	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
6	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
7	Synthesis of SnO ₂ Nanoparticles via Hydrothermal Method and Their Gas Sensing Applications for Ethylene Detection. Materials Today: Proceedings, 2019, 17, 810-819.	0.9	25
8	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
9	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
10	Formation of Titanium Sulfide from Titanium Oxycarbonitride by CS ₂ Gas. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2018, 49, 1808-1821.	1.0	17
11	Phase Development in Carbothermal Reduction and Nitridation of Ilmenite Concentrates. High Temperature Materials and Processes, 2012, 31, 381-388.	0.6	13
12	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
13	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
14	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
15	Microstructural Study of Reduced Malaysian Ilmenite by Carbothermal Reduction and Nitridation in Nitrogen Atmosphere. Advanced Materials Research, 0, 858, 265-271.	0.3	10
16	Clinoptilolite augmented electrocoagulation process for the reduction of high-strength ammonia and color from stabilized landfill leachate. Water Environment Research, 2021, 93, 596-607.	1.3	9
17	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
18	Third order nonlinear polymer materials for photonics. Journal of Materials Science Letters, 2003, 22, 737-738.	0.5	8

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19	Chemical and Mineralogical Characterization of Malaysian Monazite Concentrate. Mining, Metallurgy and Exploration, 2020, 37, 415-431.	0.4	8
20	Characterization of Malaysian Monazite Concentrate for The Recovery of Thorium Dioxide. Journal of Physics: Conference Series, 2018, 1082, 012090.	0.3	7
21	Aeration Leaching of Iron from Nitrided Malaysian Ilmenite Reduced by Polystyrene-Coal Reductant. Procedia Chemistry, 2016, 19, 715-720.	0.7	6
22	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
23	Crystallization of Potassium Calcium Silicate from Modified Industrial EAF Slag. Advanced Materials Research, 0, 620, 66-71.	0.3	5
24	An Assessment of the Carbothermal Reduction of Malaysian Ilmenite by Statistical Design. Advanced Materials Research, 2013, 858, 221-227.	0.3	5
25	An Assessment of Chemical Vapor Deposition Synthesis of SnO ₂ Nanowires by Statistical Design. Key Engineering Materials, 0, 701, 52-56.	0.4	5
26	Formation of Titanium Hydride from the Reaction Between Magnesium Hydride and Titanium Tetrachloride. Journal of Physics: Conference Series, 2018, 1082, 012003.	0.3	5
27	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
28	Minerals Characterization of Magnetic and Non-Magnetic Element from Black Sand Langkawi. Solid State Phenomena, 2018, 280, 440-447.	0.3	5
29	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
30	Microstructural Study of Leached Nitrided Malaysian Ilmenite with Coal-Polystyrene Reductant. Key Engineering Materials, 0, 701, 132-137.	0.4	4
31	Assessment of Titanium Carbide Chlorination by Statistical Design. Materials Science Forum, 2016, 860, 111-114.	0.3	4
32	Characterization of Langkawi Black Sand for the Recovery of Titanium. Key Engineering Materials, 0, 709, 70-73.	0.4	4
33	Processing of Black Sand for the Recovery of Metal. Materials Science Forum, 2016, 880, 63-66.	0.3	4
34	Synthesis of Ti Powder from the Reduction of TiCl ₄ with Metal Hydrides in the H ₂ Atmosphere: Thermodynamic and Techno-Economic Analyses. Processes, 2021, 9, 1567.	1.3	4
35	Assessment of EAF Steel Slag Solubility by Statistical Design. Advanced Materials Research, 0, 858, 228-235.	0.3	3
36	Non-Isothermal Kinetic Modelling for Hydrogen Reduction of Ferric Oxide Using Matlab. Materials Science Forum, 2015, 819, 3-8.	0.3	3

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37	Kinetic modelling of chlorination of nitrated ilmenite using MATLAB. AIP Conference Proceedings, 2016, , .	0.3	3
38	Economic evaluation of thorium oxide production from monazite using alkaline fusion method. Nuclear Engineering and Technology, 2021, 53, 2418-2425.	1.1	3
39	Synthesis of TiH ₂ powder from ilmenite using MgH ₂ under H ₂ atmosphere. Materials Letters, 2021, 298, 129997.	1.3	3
40	Extraction of titanium from low-iron nitrated Malaysian ilmenite by chlorination. AIP Conference Proceedings, 2017, , .	0.3	2
41	Kinetic modeling of liquefied petroleum gas (LPG) reduction of titania in MATLAB. Journal of Physics: Conference Series, 2017, 822, 012063.	0.3	2
42	Modelling of Carbothermal Reduction of TiO ₂ -Fe ₂ O ₃ Composite with Compressed Natural Gas Using Design of Experiment. Journal of Physics: Conference Series, 2018, 1082, 012036.	0.3	2
43	Kinetic Modeling of Ilmenite Reduction with Compressed Natural Gas (CNG) Using MATLAB. Materials Science Forum, 2018, 928, 113-122.	0.3	2
44	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
45	Isothermal and non-isothermal kinetic modelling of carbothermal reduction of Titanium Dioxide-Iron (II) Oxide (TiO ₂ -Fe ₂ O ₃) composite with natural gas. Materials Today: Proceedings, 2019, 17, 655-663.	0.9	2
46	The dephosphorization behaviour of Malaysian Monazite concentrates. AIP Conference Proceedings, 2020, , .	0.3	2
47	Characterization of TiH ₂ Powders Produced from TiCl ₄ -MgH ₂ Reactions under Hydrogen Atmosphere. Journal of Materials Engineering and Performance, 2021, 30, 3243-3257.	1.2	2
48	Synthesis and Gas Sensing Properties of SnO ₂ ; Nanostructures by Thermal Evaporation. Advanced Materials Research, 0, 620, 350-355.	0.3	1
49	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
50	Sustainable carbothermal reduction and nitridation of Malaysian ilmenite by polyethylene terephthalate and coal. AIP Conference Proceedings, 2017, , .	0.3	1
51	Chlorination of Titanium Carbonitride (TiC _{0.7} N _{0.3}) for Production of TiCl ₄ . Journal of Physics: Conference Series, 2018, 1082, 012032.	0.3	1
52	The Effects of Experimental Variables on Iron Removal from Nitrated Malaysian Ilmenite by Becher Process. Minerals, Metals and Materials Series, 2018, , 1383-1396.	0.3	1
53	Effect of Nickel as Catalyst on the Activation of Titanium Hydride (TiH ₂) to Titanium Trichloride (TiCl ₃). Materials Today: Proceedings, 2019, 17, 743-751.	0.9	1
54	Reduction of TiCl ₄ to TiH ₂ with CaH ₂ in Presence of Ni Powder. Minerals, Metals and Materials Series, 2019, , 131-144.	0.3	1

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55	Study the effect of calcination temperature and time on TiO ₂ band gap synthesized from TiCl ₄ coagulation sludge. <i>Materials Today: Proceedings</i> , 2020, 32, 407-411.	0.9	1
56	Effect of Carbon Reductant on the Formation of Copper Doped Titanium Oxycarbonitride by Carbothermal Reduction and Nitridation. <i>Minerals, Metals and Materials Series</i> , 2017, , 237-250.	0.3	0
57	Evaluation of chlorination of nitrated ilmenite by statistical analysis. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	0
58	High-temperature carbothermal dephosphorization of Malaysian monazite. <i>Physicochemical Problems of Mineral Processing</i> , 2021, , .	0.2	0
59	Kinetic modelling of alkaline leaching of thorium hydroxide (Th(OH) ₄) from monazite. <i>AIP Conference Proceedings</i> , 2021, , .	0.3	0