Adel A Francis

List of Publications by Year
in descending order

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Version: 2024-02-01

44	1,345	361413	345221
papers	citations	20 h-index	36 g-index

45	45	45	1338
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Biological evaluation of preceramic organosilicon polymers for various healthcare and biomedical engineering applications: A review. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2021, 109, 744-764.	3.4	20
2	Toward CNT-reinforced chitosan-based ceramic composite coatings on biodegradable magnesium for surgical implants. Journal of Coatings Technology Research, 2021, 18, 971-988.	2.5	18
3	Experimental Design and Desirability Analysis for Optimizing the Bio-sorption of Liquid Paint-related Wastes onto Solid Eggshell Wastes. Environmental Processes, 2020, 7, 493-508.	3.5	3
4	A new strategy for developing chitosan conversion coating on magnesium substrates for orthopedic implants. Applied Surface Science, 2019, 466, 854-862.	6.1	49
5	Progress in polymer-derived functional silicon-based ceramic composites for biomedical and engineering applications. Materials Research Express, 2018, 5, 062003.	1.6	27
6	Exploring the adsorption behavior of cationic and anionic dyes on industrial waste shells of egg. Journal of Environmental Chemical Engineering, 2017, 5, 319-327.	6.7	86
7	Fabrication and cytotoxicity assessment of novel polysiloxane/bioactive glass films for biomedical applications. Ceramics International, 2016, 42, 15442-15448.	4.8	36
8	The environmental sustainability of calcined calcium phosphates production from the milling of eggshell wastes and phosphoric acid. Journal of Cleaner Production, 2016, 137, 1432-1438.	9.3	40
9	Transforming submerged-arc welding slags into magnetic glass-ceramics. International Journal of Sustainable Engineering, 2016, 9, 411-418.	3.5	2
10	Manufacturing of wollastonite-based glass from cement dust: Physical and mechanical properties. Cogent Engineering, 2016, 3, 1170750.	2.2	5
11	Investigating the effect of salicylate salt in enhancing the corrosion resistance of AZ91 magnesium alloy for biomedical applications. BioNanoMaterials, 2016, 17, .	1.4	7
12	Iron and iron-based alloys for temporary cardiovascular applications. Journal of Materials Science: Materials in Medicine, 2015, 26, 138.	3.6	134
13	Structure characterization and optimization of process parameters on compressive properties of glassâ€based foam composites. Environmental Progress and Sustainable Energy, 2014, 33, 800-807.	2.3	6
14	Processing, structures and compressive properties of porous glass-ceramic composites prepared from secondary by-product materials. Ceramics International, 2013, 39, 7089-7095.	4.8	29
15	Formation of Cellular-Structure Material From Automotive Glass Waste and Sawdust. Materials and Manufacturing Processes, 2013, , 130122112644001.	4.7	3
16	Crystallisation kinetics of mullite glass-ceramics obtained from aluminaâ€“silica wastes. International Journal of Sustainable Engineering, 2013, 6, 74-81.	3.5	6
17	Review. Functional glasses and glass-ceramics derived from iron rich waste and combination of industrial residues. Journal of Non-Crystalline Solids, 2013, 365, 63-74.	3.1	96
18	In Situ TiC/Al₃Ti Intermetallic Alloy Composite Produced by SHS. Combustion Science and Technology, 2013, 185, 943-952.	2.3	5

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19	Experimental design for optimisation of density and water absorption capacity of glassâ€“ceramic foams prepared from silica rich wastes. Powder Metallurgy, 2013, 56, 295-303.	1.7	1
20	Unusual magnetic behavior of SiCN/multiwalled carbon nanotubes nanocomposites. Journal of Applied Physics, 2009, 105, 07A318.	2.5	12
21	Dispersion assessment and studies on AC percolative conductivity in polymer-derived Siâ€“Câ€“N/CNT ceramic nanocomposites. Journal of Materials Science, 2009, 44, 2055-2062.	3.7	57
22	Crystallization Behavior and Controlling Mechanism of Iron-Containing Siâˆ'Câˆ'N Ceramics. Inorganic Chemistry, 2009, 48, 10078-10083.	4.0	50
23	Processing and magnetic properties of metal-containing SiCN ceramic micro- and nano-composites. Journal of Materials Science, 2008, 43, 4042-4049.	3.7	52
24	Polymer-derived microcellular SiOC foams with magnetic functionality. Journal of Materials Science, 2008, 43, 4119-4126.	3.7	50
25	An assessment of the carbothermic reduction of ilmenite ore by statistical design. Journal of Materials Processing Technology, 2008, 199, 279-286.	6.3	24
26	Magnetic characteristics of iron-containing glass originated from the mixture of various wastes. Ceramics International, 2007, 33, 163-168.	4.8	15
27	Synthesis and magnetic characteristics of crystallized ceramic in the BaOâ€“NiOâ€“TiO2â€“Fe2O3 system. Journal of Materials Processing Technology, 2007, 181, 213-216.	6.3	4
28	Fabrication and characterization of electro-codeposited Ni/Zr-silicate composite coating. Surface and Coatings Technology, 2006, 201, 282-286.	4.8	20
29	Crystallization kinetics of magnetic glassâ€“ceramics prepared by the processing of waste materials. Materials Research Bulletin, 2006, 41, 1146-1154.	5.2	47
30	Non-Isothermal Crystallization Kinetics of a Blast Furnace Slag Glass. Journal of the American Ceramic Society, 2005, 88, 1859-1863.	3.8	70
31	A new direction for white zircon production and separation of rare earth materials. Institutions of Mining and Metallurgy Transactions Section C: Mineral Processing and Extractive Metallurgy, 2005, 114, 7-9.	0.6	0
32	Glass-ceramic from industrial waste materials. Scandinavian Journal of Metallurgy, 2004, 33, 236-241.	0.3	10
33	Conversion of blast furnace slag into new glass-ceramic material. Journal of the European Ceramic Society, 2004, 24, 2819-2824.	5.7	106
34	Crystallization kinetic of glass particles prepared from a mixture of coal ash and soda-lime cullet glass. Journal of Non-Crystalline Solids, 2004, 333, 187-193.	3.1	81
35	Development of a New Composite Product from Blast Furnace Slag. Materials Science Forum, 2003, 426-432, 2071-2076.	0.3	1
36	Glass-ceramics from mixtures of coal ash and soda-lime glass by the petrurgic method. Journal of Materials Science Letters, 2002, 21, 975-980.	0.5	44

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37	Production of Glass-Ceramics from Coal Ash and Waste Glass Mixtures. Key Engineering Materials, 2001, 206-213, 2049-2052.	0.4	12
38	Alkali fusion of zircon sand. Institutions of Mining and Metallurgy Transactions Section C: Mineral Processing and Extractive Metallurgy, 2000, 109, 49-56.	0.6	7
39	Cubic Zirconia from Zircon Sand by Firing with CaO/MgO Mixture.. Journal of the Ceramic Society of Japan, 1999, 107, 193-198.	1.3	15
40	Production of Zirconia from Zircon by Thermal Reaction with Calcium Oxide.. Journal of the Ceramic Society of Japan, 1999, 107, 97-102.	1.3	16
41	Alkali Reductive Roasting of Ilmenite Ore. Canadian Metallurgical Quarterly, 1996, 35, 31-37.	1.2	39
42	Alkali reductive roasting of ilmenite ore. Canadian Metallurgical Quarterly, 1996, 35, 31-37.	1.2	6
43	Kinetics of Solid-State Reduction of Ilmenite Ore. Canadian Metallurgical Quarterly, 1993, 32, 281-288.	1.2	30
44	Kinetics of Solid-State Reduction of Ilmenite Ore. Canadian Metallurgical Quarterly, 1993, 32, 281-288.	1.2	4