

Xiaolu Guo

List of Publications by Year in descending order

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33
papers

1,590
citations

394421

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414414

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docs citations

33
times ranked

1437
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of ultrasonically dispersed nano-slurries on solid waste-based autoclaved concrete (SWAC) and its leaching of heavy metals. <i>Journal of Sustainable Cement-Based Materials</i> , 2022, 11, 149-163.	3.1	3
2	The mechanical and structural properties of lunar regolith simulant based geopolymer under extreme temperature environment on the moon through experimental and simulation methods. <i>Construction and Building Materials</i> , 2022, 325, 126679.	7.2	19
3	Resistance of fiber-reinforced fly ash-steel slag based geopolymer mortar to sulfate attack and drying-wetting cycles. <i>Construction and Building Materials</i> , 2021, 269, 121326.	7.2	58
4	Effects of Fiber Distribution and Content on Performance of Engineered Cementitious Composite (ECC). <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2021, 36, 569-577.	1.0	4
5	Intrinsic properties and micro-crack characteristics of ultra-high toughness fly ash/steel slag based geopolymer. <i>Construction and Building Materials</i> , 2020, 230, 116965.	7.2	53
6	Utilization of municipal solid waste incineration fly ash to produce autoclaved and modified wall blocks. <i>Journal of Cleaner Production</i> , 2020, 252, 119759.	9.3	25
7	Effects of Steel Slag on Mechanical Properties and Mechanism of Fly Ash-Based Geopolymer. <i>Journal of Materials in Civil Engineering</i> , 2020, 32, .	2.9	33
8	Influence of supplementary cementitious materials on rheological properties of 3D printed fly ash based geopolymer. <i>Cement and Concrete Composites</i> , 2020, 114, 103820.	10.7	79
9	Effects of Cr ³⁺ , Cu ²⁺ , and Pb ²⁺ on Fly Ash based Geopolymer. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2019, 34, 851-857.	1.0	5
10	Hydrothermal synthesized and nano-modified wall materials from solid wastes. <i>Construction and Building Materials</i> , 2019, 217, 242-250.	7.2	7
11	Solidification/Adsorption of Heavy Metals by FA/FA-MSWI based Al-Substituted Tobermorite. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2019, 34, 1345-1349.	1.0	5
12	Micro-nanostructures of tobermorite hydrothermal-synthesized from fly ash and municipal solid waste incineration fly ash. <i>Construction and Building Materials</i> , 2018, 191, 431-439.	7.2	27
13	Utilizing municipal solid waste incineration (MSWI) fly ash as a calcium source to prepare Al-substituted tobermorite. <i>Ce/Papers</i> , 2018, 2, 451-456.	0.3	1
14	Microstructure and characterization of hydrothermal synthesis of Al-substituted tobermorite. <i>Construction and Building Materials</i> , 2017, 133, 253-260.	7.2	56
15	Detoxification and solidification of heavy metal of chromium using fly ash-based geopolymer with chemical agents. <i>Construction and Building Materials</i> , 2017, 151, 394-404.	7.2	60
16	Microstructure and heavy metal adsorption mechanisms of hydrothermally synthesized Al-substituted tobermorite. <i>Materials and Structures/Materiaux Et Constructions</i> , 2017, 50, 1.	3.1	29
17	Calcium sulfoaluminate (CSA) blended cements. <i>Magazine of Concrete Research</i> , 2016, 68, 208-215.	2.0	5
18	A comprehensive study on the characterization and comparison of oil-containing sludge and alkali-containing sludge. <i>Environmental Progress and Sustainable Energy</i> , 2016, 35, 957-961.	2.3	0

#	ARTICLE	IF	CITATIONS
19	Performance and risk assessment of alinite cement-based materials from municipal solid waste incineration fly ash (MSWIFA). <i>Materials and Structures/Materiaux Et Constructions</i> , 2016, 49, 2383-2391.	3.1	25
20	Influence of heavy metals on the early hydration of calcium sulfoaluminate. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 115, 1153-1162.	3.6	18
21	Effects of steel slag powder on workability and durability of concrete. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2014, 29, 733-739.	1.0	20
22	Microstructure and self-solidification/stabilization (S/S) of heavy metals of nano-modified CFA-based MSWIFA composite geopolymers. <i>Construction and Building Materials</i> , 2014, 56, 81-86.	7.2	87
23	Static and dynamic leaching experiments of heavy metals from fly ash-based geopolymers. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2013, 28, 938-943.	1.0	9
24	Influence of thermally treated flue gas desulfurization (FGD) gypsum on performance of the slag powder concrete. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2013, 28, 1122-1127.	1.0	10
25	Modification of steel slag powder by mineral admixture and chemical activators to utilize in cement-based materials. <i>Materials and Structures/Materiaux Et Constructions</i> , 2013, 46, 1265-1273.	3.1	23
26	Self-Solidification/Stabilization of Heavy Metal Wastes of Class C Fly Ash-Based Geopolymers. <i>Journal of Materials in Civil Engineering</i> , 2013, 25, 491-496.	2.9	23
27	Utilization of thermally treated flue gas desulfurization (FGD) gypsum and class-C Fly Ash (CFA) to prepare CFA-based geopolymer. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2013, 28, 132-138.	1.0	19
28	Utilization of Steel Slag Powder as a Combined Admixture with Ground Granulated Blast-Furnace Slag in Cement Based Materials. <i>Journal of Materials in Civil Engineering</i> , 2013, 25, 1990-1993.	2.9	35
29	Experimental study on alinite ecocement clinker preparation from municipal solid waste incineration fly ash. <i>Materials and Structures/Materiaux Et Constructions</i> , 2012, 45, 1145-1153.	3.1	13
30	Preparation of alinite cement from municipal solid waste incineration fly ash. <i>Cement and Concrete Composites</i> , 2012, 34, 322-327.	10.7	58
31	Alkali-activated complex binders from class C fly ash and Ca-containing admixtures. <i>Journal of Hazardous Materials</i> , 2010, 173, 480-486.	12.4	132
32	Compressive strength and microstructural characteristics of class C fly ash geopolymer. <i>Cement and Concrete Composites</i> , 2010, 32, 142-147.	10.7	597
33	Use of Heat-Treated Water Treatment Residuals in Fly Ash-Based Geopolymers. <i>Journal of the American Ceramic Society</i> , 2010, 93, 272-278.	3.8	52