Xiaolu Guo

List of Publications by Year
in descending order

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33 papers	1,590 citations	394421 19 h-index	414414 32 g-index
33 all docs	33 docs citations	33 times ranked	1437 citing authors

#	Article	IF	Citations
1	Compressive strength and microstructural characteristics of class C fly ash geopolymer. Cement and Concrete Composites, 2010, 32, 142-147.	10.7	597
2	Alkali-activated complex binders from class C fly ash and Ca-containing admixtures. Journal of Hazardous Materials, 2010, 173, 480-486.	12.4	132
3	Microstructure and self-solidification/stabilization (S/S) of heavy metals of nano-modified CFAâ€“MSWIFA composite geopolymers. Construction and Building Materials, 2014, 56, 81-86.	7.2	87
4	Influence of supplementary cementitious materials on rheological properties of 3D printed fly ash based geopolymer. Cement and Concrete Composites, 2020, 114, 103820.	10.7	79
5	Detoxification and solidification of heavy metal of chromium using fly ash-based geopolymer with chemical agents. Construction and Building Materials, 2017, 151, 394-404.	7.2	60
6	Preparation of alinite cement from municipal solid waste incineration fly ash. Cement and Concrete Composites, 2012, 34, 322-327.	10.7	58
7	Resistance of fiber-reinforced fly ash-steel slag based geopolymer mortar to sulfate attack and drying-wetting cycles. Construction and Building Materials, 2021, 269, 121326.	7.2	58
8	Microstructure and characterization of hydrothermal synthesis of Al-substituted tobermorite. Construction and Building Materials, 2017, 133, 253-260.	7.2	56
9	Intrinsic properties and micro-crack characteristics of ultra-high toughness fly ash/steel slag based geopolymer. Construction and Building Materials, 2020, 230, 116965.	7.2	53
10	Use of Heatâ€Treated Water Treatment Residuals in Fly Ashâ€Based Geopolymers. Journal of the American Ceramic Society, 2010, 93, 272-278.	3.8	52
11	Utilization of Steel Slag Powder as a Combined Admixture with Ground Granulated Blast-Furnace Slag in Cement Based Materials. Journal of Materials in Civil Engineering, 2013, 25, 1990-1993.	2.9	35
12	Effects of Steel Slag on Mechanical Properties and Mechanism of Fly Ashâ€“Based Geopolymer. Journal of Materials in Civil Engineering, 2020, 32, .	2.9	33
13	Microstructure and heavy metal adsorption mechanisms of hydrothermally synthesized Al-substituted tobermorite. Materials and Structures/Materiaux Et Constructions, 2017, 50, 1.	3.1	29
14	Micro-nanostructures of tobermorite hydrothermal-synthesized from fly ash and municipal solid waste incineration fly ash. Construction and Building Materials, 2018, 191, 431-439.	7.2	27
15	Performance and risk assessment of alinite cement-based materials from municipal solid waste incineration fly ash (MSWIFA). Materials and Structures/Materiaux Et Constructions, 2016, 49, 2383-2391.	3.1	25
16	Utilization of municipal solid waste incineration fly ash to produce autoclaved and modified wall blocks. Journal of Cleaner Production, 2020, 252, 119759.	9.3	25
17	Modification of steel slag powder by mineral admixture and chemical activators to utilize in cement-based materials. Materials and Structures/Materiaux Et Constructions, 2013, 46, 1265-1273.	3.1	23
18	Self-Solidification/Stabilization of Heavy Metal Wastes of Class C Fly Ashâ€“Based Geopolymers. Journal of Materials in Civil Engineering, 2013, 25, 491-496.	2.9	23

#	Article	IF	Citations
19	Effects of steel slag powder on workability and durability of concrete. Journal Wuhan University of Technology, Materials Science Edition, 2014, 29, 733-739.	1.0	20
20	Utilization of thermally treated flue gas desulfurization (FGD) gypsum and class-C Fly Ash (CFA) to prepare CFA-based geopolymer. Journal Wuhan University of Technology, Materials Science Edition, 2013, 28, 132-138.	1.0	19
21	The mechanical and structural properties of lunar regolith simulant based geopolymer under extreme temperature environment on the moon through experimental and simulation methods. Construction and Building Materials, 2022, 325, 126679.	7.2	19
22	Influence of heavy metals on the early hydration of calcium sulfoaluminate. Journal of Thermal Analysis and Calorimetry, 2014, 115, 1153-1162.	3.6	18
23	Experimental study on alinite ecocement clinker preparation from municipal solid waste incineration fly ash. Materials and Structures/Materiaux Et Constructions, 2012, 45, 1145-1153.	3.1	13
24	Influence of thermally treated flue gas desulfurization (FGD) gypsum on performance of the slag powder concrete. Journal Wuhan University of Technology, Materials Science Edition, 2013, 28, 1122-1127.	1.0	10
25	Static and dynamic leaching experiments of heavy metals from fly ash-based geopolymers. Journal Wuhan University of Technology, Materials Science Edition, 2013, 28, 938-943.	1.0	9
26	Hydrothermal synthesized and nano-modified wall materials from solid wastes. Construction and Building Materials, 2019, 217, 242-250.	7.2	7
27	Calcium sulfoaluminate (CSA) blended cements. Magazine of Concrete Research, 2016, 68, 208-215.	2.0	5
28	Effects of Cr3+, Cu2+, and Pb2+ on Fly Ash based Geopolymer. Journal Wuhan University of Technology, Materials Science Edition, 2019, 34, 851-857.	1.0	5
29	Solidification/Adsorption of Heavy Metals by FA/FA-MSWI based Al-Substituted Tobermorite. Journal Wuhan University of Technology, Materials Science Edition, 2019, 34, 1345-1349.	1.0	5
30	Effects of Fiber Distribution and Content on Performance of Engineered Cementitious Composite (ECC). Journal Wuhan University of Technology, Materials Science Edition, 2021, 36, 569-577.	1.0	4
31	Effects of ultrasonically dispersed nano-slurries on solid waste-based autoclaved concrete (SWAC) and its leaching of heavy metals. Journal of Sustainable Cement-Based Materials, 2022, 11, 149-163.	3.1	3
32	Utilizing municipal solid waste incineration (MSWI) fly ash as a calcium source to prepare Alâ€substituted tobermorite. Ce/Papers, 2018, 2, 451-456.	0.3	1
33	A comprehensive study on the characterization and comparison of oilâ€containing sludge and alkaliâ€containing sludge. Environmental Progress and Sustainable Energy, 2016, 35, 957-961.	2.3	0