

# Progressive utilisation prospects of coal fly ash: A review

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Physical, chemical, and geotechnical properties of coal fly ash: A global review. <i>Case Studies in Construction Materials</i> , 2019, 11, e00263.	0.8	157
2	Novel biomass fly ash-based geopolymeric mortars using lime slaker grits as aggregate for applications in construction: Influence of granulometry and binder/aggregate ratio. <i>Construction and Building Materials</i> , 2019, 227, 116643.	3.2	26
3	Composite coal fly ash solid acid catalyst in synergy with chloride for biphasic preparation of furfural from corn stover hydrolysate. <i>Bioresource Technology</i> , 2019, 293, 122065.	4.8	55
4	Rare and Valuable Metals in Oils and Coals of the Russian Federation: Content and Methods of Extraction. <i>Russian Journal of Applied Chemistry</i> , 2019, 92, 1616-1633.	0.1	5
5	Impact of Aggressive Media on the Properties of Polymeric Coatings with Solidification Products as Fillers. <i>Coatings</i> , 2019, 9, 793.	1.2	6
6	Aluminum extraction technologies from high aluminum fly ash. <i>Reviews in Chemical Engineering</i> , 2021, 37, 885-906.	2.3	23
7	Ammonia in Fly Ashes from Flue Gas Denitrification Process and its Impact on the Properties of Cement Composites. <i>Buildings</i> , 2019, 9, 225.	1.4	10
8	Mechanical properties of oil palm waste lightweight aggregate concrete with fly ash as fine aggregate replacement. <i>Journal of Building Engineering</i> , 2020, 27, 100924.	1.6	34
9	Formation mechanism and applications of cenospheres: a review. <i>Journal of Materials Science</i> , 2020, 55, 4539-4557.	1.7	64
10	A factorial experimental analysis of using wood fly ash as an alkaline activator along with coal fly ash for production of geopolymer-cementitious hybrids. <i>Science of the Total Environment</i> , 2020, 718, 135289.	3.9	20
11	Synthesis of Fly Ash-Based Geopolymers: Effect of Calcite Addition and Mechanical Activation. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 827.	0.8	28
12	High volume Portland cement replacement: A review. <i>Construction and Building Materials</i> , 2020, 260, 120445.	3.2	102
13	Remediation of lead polluted soil by active silicate material prepared from coal fly ash. <i>Ecotoxicology and Environmental Safety</i> , 2020, 206, 111409.	2.9	17
14	Evaluation of Shear-Critical Reinforced Concrete Beam Blended with Fly Ash. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 506, 012041.	0.2	4
15	Effect of Triethanolamine on Hydration Kinetics of Cement-Fly Ash System at Elevated Curing Temperature. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 10053-10064.	3.2	17
16	Activation Pretreatment and Leaching Process of High-Alumina Coal Fly Ash to Extract Lithium and Aluminum. <i>Metals</i> , 2020, 10, 893.	1.0	21
17	Mechanism study on green high-efficiency hydrothermal activation of fly ash and its application prospect. <i>Journal of Cleaner Production</i> , 2020, 275, 122977.	4.6	10
18	A Study on the Utilization of Coal Fly Ash Derived Grog in Clay Ceramics. <i>Materials</i> , 2020, 13, 5218.	1.3	6

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19	Synthesis of novel ZSM-22 zeolite from Taiwanese coal fly ash for the selective separation of Rhodamine 6G. <i>Journal of Materials Research and Technology</i> , 2020, 9, 15381-15393.	2.6	23
20	Long-term durability and environmental safety of slurry type of coal ash mixed material. <i>Environmental Geotechnics</i> , 2020, , 1-10.	1.3	1
21	High-pressure HCl leaching of coal ash to extract Al into a chloride solution with further use as a coagulant for water treatment. <i>Journal of Cleaner Production</i> , 2020, 276, 123206.	4.6	47
22	Utilization of fly ash microsphere powder as a mineral admixture of cement: Effects on early hydration and microstructure at different curing temperatures. <i>Powder Technology</i> , 2020, 375, 262-270.	2.1	38
23	Strength Properties of High-Strength Concrete Containing Coal Bottom Ash as a Replacement of Aggregates. <i>Advances in Materials Science and Engineering</i> , 2020, 2020, 1-12.	1.0	6
24	Obtaining Silicon-Carbide-Based Ceramics from Ash and Slag Wastes. <i>Technical Physics Letters</i> , 2020, 46, 695-698.	0.2	0
25	Electrodialytic recovery of rare earth elements from coal ashes. <i>Electrochimica Acta</i> , 2020, 359, 136934.	2.6	24
26	Application of Novel C-TiO <sub>2</sub> -CFA/PAN Photocatalytic Membranes in the Removal of Textile Dyes in Wastewater. <i>Catalysts</i> , 2020, 10, 909.	1.6	13
27	The Effect of a Fly Ash-Based Soil Conditioner on Corn and Wheat Yield and Risk Analysis of Heavy Metal Contamination. <i>Sustainability</i> , 2020, 12, 7281.	1.6	12
28	Solid Green Biodiesel Catalysts Derived from Coal Fly Ash. , 2020, , .		2
29	Investigation of CO <sub>2</sub> Sequestration Possibility via Indirect Mineral Carbonation using Waste Coal Fly Ash. , 2020, , .		3
30	Ash from Coal and Biomass Combustion. , 2020, , .		4
31	Synthesis of Single-Phase Zeolite A by Coal Gasification Fine Slag from Ningdong and Its Application as a High-Efficiency Adsorbent for Cu <sup>2+</sup> and Pb <sup>2+</sup> in Simulated Waste Water. <i>ChemEngineering</i> , 2020, 4, 65.	1.0	9
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38	Assessment of the potential of polish fly ashes as a source of rare earth elements. <i>Ore Geology Reviews</i> , 2020, 124, 103638.	1.1	14
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40	Studies on the Potential of Nonmodified and Metal Oxide-Modified Coal Fly Ash Zeolites For Adsorption of Heavy Metals and Catalytic Degradation of Organics for Waste Water Recovery Processes, 2020, 8, 778.	1.3	16
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47	Potential utilization of coal gasification residues from entrained-flow gasification plants based on rare earth geochemical characteristics. <i>Journal of Cleaner Production</i> , 2021, 280, 124329.	4.6	9
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49	Flow analysis of major and trace elements in residues from large-scale sewage sludge incineration. <i>Journal of Environmental Sciences</i> , 2021, 102, 99-109.	3.2	5
50	Tribological and corrosion performance of epoxy resin composite coatings reinforced with graphene oxide and fly ash cenospheres. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50042.	1.3	18
51	Fly ash-based eco-friendly geopolymer concrete: A critical review of the long-term durability properties. <i>Construction and Building Materials</i> , 2021, 270, 121857.	3.2	251
52	Realization of high-percentage addition of fly ash in the materials for the preparation of geopolymer derived from acid-activated metakaolin. <i>Journal of Cleaner Production</i> , 2021, 285, 125430.	4.6	34
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61	Recent advances in the stabilization of expansive soils using waste materials: A review. <i>IOP Conference Series: Earth and Environmental Science</i> , 0, 623, 012099.	0.2	5
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