# Ying Su

List of Publications by Year
in descending order



| 62 | 2,373 | 27 | 48 |
|---|---|---|---|
| papers | citations | h-index | g-index |
| | | 201674 | 206112 |

| 62 | 62 | 62 | 776 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Utilization of lithium slag by wet-grinding process to improve the early strength of sulphoaluminate cement paste. Journal of Cleaner Production, 2018, 205, 536-551. | 9.3 | 182 |
| 2 | Eco-friendly treatment of low-calcium coal fly ash for high pozzolanic reactivity: A step towards waste utilization in sustainable building material. Journal of Cleaner Production, 2019, 238, 117962. | 9.3 | 170 |
| 3 | Compressive strength and hydration process of wet-grinded granulated blast-furnace slag activated by sodium sulfate and sodium carbonate. Cement and Concrete Composites, 2019, 97, 387-398. | 10.7 | 125 |
| 4 | Pore structure evaluation of cementing composites blended with coal by-products: Calcined coal gangue and coal fly ash. Fuel Processing Technology, 2018, 181, 75-90. | 7.2 | 120 |
| 5 | Feasibility of incorporating autoclaved aerated concrete waste for cement replacement in sustainable building materials. Journal of Cleaner Production, 2020, 250, 119455. | 9.3 | 112 |
| 6 | Preparation for micro-lithium slag via wet grinding and its application as accelerator in Portland cement. Journal of Cleaner Production, 2020, 250, 119528. | 9.3 | 107 |
| 7 | Pore structure of affected zone around saturated and large superabsorbent polymers in cement paste. Cement and Concrete Composites, 2019, 97, 54-67. | 10.7 | 91 |
| 8 | Synthesis of Î±-hemihydrate gypsum from cleaner phosphogypsum. Journal of Cleaner Production, 2018, 195, 396-405. | 9.3 | 89 |
| 9 | Effect of steam curing on compressive strength and microstructure of high volume ultrafine fly ash cement mortar. Construction and Building Materials, 2021, 266, 120894. | 7.2 | 77 |
| 10 | New treatment technology: The use of wet-milling concrete slurry waste to substitute cement. Journal of Cleaner Production, 2020, 242, 118347. | 9.3 | 67 |
| 11 | Sustainable clinker-free solid waste binder produced from wet-ground granulated blast-furnace slag, phosphogypsum and carbide slag. Construction and Building Materials, 2022, 330, 127218. | 7.2 | 67 |
| 12 | Effect of wet grinded lithium slag on compressive strength and hydration of sulphoaluminate cement system. Construction and Building Materials, 2021, 267, 120465. | 7.2 | 66 |
| 13 | Effect of calcium sulphoaluminate cement on mechanical strength and waterproof properties of beta-hemihydrate phosphogypsum. Construction and Building Materials, 2020, 242, 118198. | 7.2 | 66 |
| 14 | Compressive strength and hydration of high-volume wet-grinded coal fly ash cementitious materials. Construction and Building Materials, 2019, 206, 248-260. | 7.2 | 62 |
| 15 | Effect of wet-grinding steel slag on the properties of Portland cement: An activated method and rheology analysis. Construction and Building Materials, 2021, 286, 122823. | 7.2 | 61 |
| 16 | Eco-friendly UHPC prepared from high volume wet-grinded ultrafine GGBS slurry. Construction and Building Materials, 2021, 308, 125057. | 7.2 | 60 |
| 17 | Self-hydration characteristics of ground granulated blast-furnace slag (GGBFS) by wet-grinding treatment. Construction and Building Materials, 2018, 167, 96-105. | 7.2 | 59 |
| 18 | Segmented fractal pore structure covering nano- and micro-ranges in cementing composites produced with GGBS. Construction and Building Materials, 2019, 225, 1170-1182. | 7.2 | 57 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Utilization of hemihydrate phosphogypsum for the preparation of porous sound absorbing material. Construction and Building Materials, 2020, 234, 117346. | 7.2 | 53 |
| 20 | An accelerator prepared from waste concrete recycled powder and its effect on hydration of cement-based materials. Construction and Building Materials, 2021, 296, 123767. | 7.2 | 51 |
| 21 | Efficiency of wet-grinding on the mechano-chemical activation of granulated blast furnace slag (GBFS). Construction and Building Materials, 2019, 199, 185-193. | 7.2 | 45 |
| 22 | Preparation of Î±-hemihydrate gypsum from phosphogypsum in recycling CaCl2 solution. Construction and Building Materials, 2019, 214, 399-412. | 7.2 | 42 |
| 23 | Shear Strength of Stabilized Clay Treated with Soda Residue and Ground Granulated Blast Furnace Slag. Journal of Materials in Civil Engineering, 2019, 31, . | 2.9 | 38 |
| 24 | The effect of ultrahigh volume ultrafine blast furnace slag on the properties of cement pastes. Construction and Building Materials, 2018, 189, 438-447. | 7.2 | 37 |
| 25 | Physico-chemical Characteristics of Wet-milled Ultrafine-granulated Phosphorus Slag as a Supplementary Cementitious Material. Journal Wuhan University of Technology, Materials Science Edition, 2018, 33, 625-633. | 1.0 | 34 |
| 26 | Improving durability of heat-cured high volume fly ash cement mortar by wet-grinding activation. Construction and Building Materials, 2021, 289, 123157. | 7.2 | 33 |
| 27 | Nano particles prepared from hardened cement paste by wet grinding and its utilization as an accelerator in Portland cement. Journal of Cleaner Production, 2021, 283, 124632. | 9.3 | 29 |
| 28 | Preparation of eco-friendly lightweight gypsum: Use of beta-hemihydrate phosphogypsum and expanded polystyrene particles. Construction and Building Materials, 2021, 297, 123837. | 7.2 | 27 |
| 29 | Effects of wet-grinded superfine waste glass on the fresh properties and reaction characteristic of cement pastes. Construction and Building Materials, 2020, 247, 118593. | 7.2 | 22 |
| 30 | Polycarboxylate superplasticizer modified by phosphate ester in side chain and its basic properties in gypsum plaster. Construction and Building Materials, 2021, 271, 121566. | 7.2 | 22 |
| 31 | Effect of organic alkali on compressive strength and hydration of wet-grinded granulated blast-furnace slag containing Portland cement. Construction and Building Materials, 2019, 206, 10-18. | 7.2 | 21 |
| 32 | Preparation of ultrafine fly ash by wet grinding and its utilization for immobilizing chloride ions in cement paste. Waste Management, 2020, 113, 456-468. | 7.4 | 21 |
| 33 | Wet-milling disposal of autoclaved aerated concrete demolition waste â€“ A comparison with classical supplementary cementitious materials. Advanced Powder Technology, 2020, 31, 3736-3746. | 4.1 | 20 |
| 34 | Enhancement of compressive strength of high-volume fly ash cement paste by wet grinded cement: Towards low carbon cementitious materials. Construction and Building Materials, 2022, 323, 126458. | 7.2 | 18 |
| 35 | Shrinkage properties and microstructure of high volume ultrafine phosphorous slag blended cement mortars with superabsorbent polymer. Journal of Building Engineering, 2020, 29, 101121. | 3.4 | 17 |
| 36 | Nano-carbide slag seed as a new type accelerator for Portland cement. Materials Letters, 2020, 278, 128464. | 2.6 | 16 |

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|---|---|---|---|
| 37 | Mechanical performance, hydration characteristics and microstructures of high volume blast furnace ferronickel slag cement mortar by wet grinding activation. Construction and Building Materials, 2022, 320, 126148. | 7.2 | 16 |
| 38 | Potential usage of porous autoclaved aerated concrete waste as eco-friendly internal curing agent for shrinkage compensation. Journal of Cleaner Production, 2021, 320, 128894. | 9.3 | 15 |
| 39 | Microemulsion Synthesis of Nanosized Calcium Sulfate Hemihydrate and Its Morphology Control by Different Surfactants. ACS Omega, 2019, 4, 9552-9556. | 3.5 | 14 |
| 40 | Green reaction-type nucleation seed accelerator prepared from coal fly ash ground in water environment. Construction and Building Materials, 2021, 306, 124840. | 7.2 | 14 |
| 41 | Nano C-S-H seeds prepared from ground granulated blast-furnace slag-carbide slag and its application in Portland cement. Construction and Building Materials, 2022, 329, 127204. | 7.2 | 13 |
| 42 | Heat-cured cement-based composites with wet-grinded fly ash and carbide slag slurry: Hydration, compressive strength and carbonation. Construction and Building Materials, 2021, 307, 124916. | 7.2 | 12 |
| 43 | Enhanced microwave absorption properties of nickel-coated carbon fiber/glass fiber hybrid epoxy composites-towards an industrial reality. Materials Research Express, 2019, 6, 126324. | 1.6 | 9 |
| 44 | Low-Energy Consumption Preparation of Fine Waterproof Cementitious Material with High-Volume Phosphogypsum. Journal of Materials in Civil Engineering, 2020, 32, . | 2.9 | 9 |
| 45 | Preparation of nano cement particles by wet-grinding and its effect on hydration of cementitious system. Construction and Building Materials, 2021, 307, 125051. | 7.2 | 9 |
| 46 | Nano-treatment of Autoclaved Aerated Concrete Waste and Its Usage in Cleaner Building Materials. Journal Wuhan University of Technology, Materials Science Edition, 2020, 35, 786-793. | 1.0 | 8 |
| 47 | Effect of tricalcium aluminate and nano silica on performance of hemihydrate gypsum. Construction and Building Materials, 2022, 321, 126362. | 7.2 | 8 |
| 48 | A comparative study on concrete slurry waste: performance optimization from the wet-milling process. Materials and Structures/Materiaux Et Constructions, 2021, 54, 1. | 3.1 | 7 |
| 49 | Effect of silica fume on the thaumasite form of sulfate attack on cement-based materials. Journal Wuhan University of Technology, Materials Science Edition, 2017, 32, 1108-1114. | 1.0 | 6 |
| 50 | Laboratory Evaluation for Utilization of Phosphogypsum through Carbide Slag Highly-Effective Activating Anhydrous Phosphogypsum. Journal Wuhan University of Technology, Materials Science Edition, 2021, 36, 392-399. | 1.0 | 6 |
| 51 | One-step synthesis of nanoscale anhydrous calcium sulfate whiskers: direct conversion of calcium carbonate by mixed acid with microemulsion method. Journal of Nanoparticle Research, 2022, 24, 1. | 1.9 | 6 |
| 52 | One-pot synthesis of polydopamine/Ag microspheres through microemulsion environment and its methylene blue removal application. Journal of Polymer Research, 2022, 29, 1. | 2.4 | 6 |
| 53 | Use of different barium salts to inhibit the thaumasite form of sulfate attack in cement-based materials. Journal Wuhan University of Technology, Materials Science Edition, 2016, 31, 361-366. | 1.0 | 5 |
| 54 | Preparation and thermal insulation performance of cast-in-situ phosphogypsum wall. Journal of Applied Biomaterials and Functional Materials, 2018, 16, 81-92. | 1.6 | 5 |

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| 55 | Microemulsion synthesis of anhydrous calcium sulfate nanowhiskers with calcium acetate solution and its surface structure stable and crystal phase evolution after modification. Journal of Nanoparticle Research, 2020, 22, 1. | 1.9 | 5 |
| 56 | Micro-environment regulation synthesis of calcium sulfate nanoparticles and its water removal application. Materials Research Express, 2019, 6, 1050b8. | 1.6 | 4 |
| 57 | Influence of annealing on the structure of silica glass. Journal Wuhan University of Technology, Materials Science Edition, 2013, 28, 902-906. | 1.0 | 3 |
| 58 | Stress-Strain Relationship and Seismic Performance of Cast-in-Situ Phosphogypsum. Journal of Applied Biomaterials and Functional Materials, 2017, 15, 62-68. | 1.6 | 3 |
| 59 | Light-weight carbon fiber/silver-coated hollow glass spheres/epoxy composites as highly effective electromagnetic interference shielding material. Journal of Reinforced Plastics and Composites, 2022, 41, 497-508. | 3.1 | 3 |
| 60 | Properties of Î2-HPG pastes in the presence of Î±-HPG prepared from phosphogypsum. Construction and Building Materials, 2022, 334, 127414. | 7.2 | 3 |
| 61 | Fluid Permeability of Ground Steel Slag-Blended Composites Evaluated by Pore Structure. Advances in Materials Science and Engineering, 2020, 2020, 1-14. | 1.8 | 0 |
| 62 | Compressive strength and permeability of steam-cured mortar incorporating high volume fly ash with different activation degrees by wet milling. Journal of Building Engineering, 2022, 56, 104767. | 3.4 | 0 |