

Wei Lu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2954625/publications.pdf>

Version: 2024-02-01

15
papers

389
citations

933447

10
h-index

996975

15
g-index

15
all docs

15
docs citations

15
times ranked

286
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel sodium silicate/polymer composite gels for the prevention of spontaneous combustion of coal. <i>Journal of Hazardous Materials</i> , 2019, 371, 643-654.	12.4	160
2	Mechanism of Gas Generation during Low-Temperature Oxidation of Coal and Model Compounds. <i>Energy & Fuels</i> , 2019, 33, 1527-1539.	5.1	59
3	Poly(acrylic acid)-chitosan @ tannic acid double-network self-healing hydrogel based on ionic coordination. <i>Polymers for Advanced Technologies</i> , 2020, 31, 1648-1660.	3.2	26
4	A Novel Double-Network, Self-Healing Hydrogel Based on Hydrogen Bonding and Hydrophobic Effect. <i>Macromolecular Chemistry and Physics</i> , 2020, 221, 1900320.	2.2	25
5	Two-component polyurethane healing system: Effect of different accelerators and capsules on the healing efficiency of dynamic concrete cracks. <i>Construction and Building Materials</i> , 2019, 227, 116700.	7.2	23
6	Study on Adiabatic Oxidation Characters of Coal with Applying a Constant Temperature Difference To Guide the Oxidation of Coal with Temperature Rising. <i>Energy & Fuels</i> , 2017, 31, 882-890.	5.1	16
7	A Method for Predicting Coal Temperature Using CO with GA-SVR Model for Early Warning of the Spontaneous Combustion of Coal. <i>Combustion Science and Technology</i> , 2022, 194, 523-538.	2.3	15
8	Thermal Decomposition Model and Its Reaction Kinetic Parameters for Coal Smoldering with the Use of TG Tests in Oxygen-depleted Air. <i>Combustion Science and Technology</i> , 2021, 193, 1154-1172.	2.3	13
9	Optimized synthesis of isocyanate microcapsules for self-healing application in epoxy composites. <i>High Performance Polymers</i> , 2020, 32, 669-680.	1.8	12
10	Preparation and properties of cellulose nanofiber (CNF) /polyvinyl alcohol (PVA) /graphene oxide (GO): Application of CO ₂ absorption capacity and molecular dynamics simulation. <i>Journal of Environmental Management</i> , 2022, 302, 114044.	7.8	11
11	Effect of Pipe Diameter and Inlet Parameters on Liquid CO ₂ Flow in Transportation by Pipeline with Large Height Difference. <i>Processes</i> , 2019, 7, 756.	2.8	10
12	Facile and efficient isocyanate microencapsulation via SDBS/PVP synergetic emulsion. <i>Journal of Applied Polymer Science</i> , 2019, 136, 48045.	2.6	7
13	Study on Thermokinetic Parameters of Coal-oxygen Reaction Path with Constant Temperature Difference Guiding Method. <i>Combustion Science and Technology</i> , 2022, 194, 2163-2185.	2.3	5
14	Crosslink density and mechanical property evolution during the curing of polyurethane-urea/sodium silicate hybrid composites. <i>High Performance Polymers</i> , 2022, 34, 66-76.	1.8	4
15	Mechanism confirmation of organofunctional silanes modified sodium silicate/polyurethane composites for remarkably enhanced mechanical properties. <i>Scientific Reports</i> , 2021, 11, 9407.	3.3	3