# Shao Zhenlu

List of Publications by Year
in descending order



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|---|---|---|---|
| 30 papers | 526 citations | 687363 13 h-index | 677142 22 g-index |
| 30 all docs | 30 docs citations | 30 times ranked | 352 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Thermal Behavior and Characteristics of Functional Groups on Lignite Secondary Oxidation. Combustion Science and Technology, 2022, 194, 850-867. | 2.3 | 9 |
| 2 | Thermal Behavior and Microscopic Characteristics of Water-soaked Coal Spontaneous Combustion. Combustion Science and Technology, 2022, 194, 636-654. | 2.3 | 23 |
| 3 | The Influence of Water Immersion on the Physical and Chemical Structure of Coal. Combustion Science and Technology, 2022, 194, 1136-1154. | 2.3 | 17 |
| 4 | Constructing 3-D Land Surface Temperature Model of Local Coal Fires Using UAV Thermal Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-9. | 6.3 | 5 |
| 5 | Three-dimensional-imaging thermal surfaces of coal fires based on UAV thermal infrared data. International Journal of Remote Sensing, 2021, 42, 672-692. | 2.9 | 11 |
| 6 | Simulation of similar materials for dust migration in an intermediate mine heap. Environmental Progress and Sustainable Energy, 2021, 40, e13599. | 2.3 | 0 |
| 7 | Study on the physicochemical characteristics and dust suppression performance of new type chemical dust suppressant for copper mine pavement. Environmental Science and Pollution Research, 2021, 28, 59640-59651. | 5.3 | 21 |
| 8 | Recapitulation and Prospect of Research on Flow Field in Coal Mine Gob. Shock and Vibration, 2021, 2021, 1-24. | 0.6 | 2 |
| 9 | Numerical Simulation of the Dust Production and Transportation Law of an Intermediate Mine Heap. ACS Omega, 2021, 6, 1623-1635. | 3.5 | 1 |
| 10 | 3D Localization of Coal Fires Based on Self-Potential Data: Sandbox Experiments. Pure and Applied Geophysics, 2021, 178, 4583-4603. | 1.9 | 2 |
| 11 | Influence of Temperature Change on the Change Law of Free Radicals in Coal. ACS Omega, 2021, 6, 33685-33693. | 3.5 | 8 |
| 12 | Treatment of smouldering coal refuse piles: an application in China. Environmental Technology (United Kingdom), 2020, 41, 3105-3118. | 2.2 | 10 |
| 13 | Entropy Weight-Logarithmic Fuzzy Multiobjective Programming Method for Evaluating Emergency Evacuation in Crowded Places: A Case Study of a University Teaching Building. IEEE Access, 2020, 8, 122997-123012. | 4.2 | 8 |
| 14 | Study on the Oxidation Kinetics and Microreactivity of Water-Immersed Coal. ACS Omega, 2020, 5, 17287-17303. | 3.5 | 15 |
| 15 | A novel high polymer nanocomposite inhibitor for coal gangue spontaneous combustion prevention: A case study of Yangquan coal gangue in China. Fire and Materials, 2020, 44, 953-965. | 2.0 | 8 |
| 16 | Investigation of methane-air explosions and its destruction at longwall coalface in underground coalmines. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2020, , 1-18. | 2.3 | 1 |
| 17 | Novel superâ€absorbent polymerâ€grafted tea polyphenol composite inhibitor for the prevention of coal spontaneous combustion. Fire and Materials, 2020, 44, 975-988. | 2.0 | 7 |
| 18 | Mechanism of the dissolution of methane in the complex micellar system of NaOA/cyclohexane. Arabian Journal of Geosciences, 2019, 12, 1. | 1.3 | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Detection, extinguishing, and monitoring of a coal fire in Xinjiang, China. Environmental Science and Pollution Research, 2018, 25, 26603-26616. | 5.3 | 47 |
| 20 | Induced polarization response of porous media with metallic particles â€" Part 6: The case of metals and semimetals. Geophysics, 2017, 82, E97-E110. | 2.6 | 21 |
| 21 | Induced polarization signature of coal seam fires. Geophysical Journal International, 2017, 208, 1313-1331. | 2.4 | 13 |
| 22 | Categorical modeling on electrical anomaly of room-and-pillar coal mine fires and application for field electrical resistivity tomography. Journal of Applied Geophysics, 2017, 136, 474-483. | 2.1 | 8 |
| 23 | Experimental study of the self-potential anomaly caused by coal fires. Journal of Applied Geophysics, 2017, 145, 124-132. | 2.1 | 14 |
| 24 | Electrical resistivity of coal-bearing rocks under high temperature and the detection of coal fires using electrical resistance tomography. Geophysical Journal International, 2016, 204, 1316-1331. | 2.4 | 31 |
| 25 | Heat-Induced Electrical Variation of Water-Bearing Porous Rock in Coal Fire Area. Journal of Computational and Theoretical Nanoscience, 2016, 13, 5841-5848. | 0.4 | 0 |
| 26 | Synthesis and characterization of a temperatureâ€sensitive hydrogel based on sodium alginate and Nâ€isopropylacrylamide. Polymers for Advanced Technologies, 2015, 26, 1340-1345. | 3.2 | 25 |
| 27 | Synthesis and characterization of temperature-sensitive hydrogels. E-Polymers, 2015, 15, 353-360. | 3.0 | 20 |
| 28 | Novel authigenic gas foaming hydrogels for preventing coal spontaneous combustion. E-Polymers, 2015, 15, 361-368. | 3.0 | 24 |
| 29 | Controlling coal fires using the three-phase foam and water mist techniques in the Anjialing Open Pit Mine, China. Natural Hazards, 2015, 75, 1833-1852. | 3.4 | 110 |
| 30 | Theory and application of magnetic and self-potential methods in the detection of the Heshituoluogai coal fire, China. Journal of Applied Geophysics, 2014, 104, 64-74. | 2.1 | 63 |