

Di Xue

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6009163/publications.pdf>

Version: 2024-02-01

16
papers

770
citations

840776

11
h-index

940533

16
g-index

16
all docs

16
docs citations

16
times ranked

284
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	Growth environment optimization for inducing bacterial mineralization and its application in concrete healing. <i>Construction and Building Materials</i> , 2019, 209, 631-643.	7.2	152
3	Fire prevention and control using gel-stabilization foam to inhibit spontaneous combustion of coal: Characteristics and engineering applications. <i>Fuel</i> , 2020, 264, 116903.	6.4	93
4	A novel fire prevention and control plastogel to inhibit spontaneous combustion of coal: Its characteristics and engineering applications. <i>Fuel</i> , 2020, 263, 116693.	6.4	71
5	A novel high-toughness, organic/inorganic double-network fire-retardant gel for coal-seam with high ground temperature. <i>Fuel</i> , 2020, 263, 116779.	6.4	67
6	Carbon dioxide sealing-based inhibition of coal spontaneous combustion: A temperature-sensitive micro-encapsulated fire-retardant foamed gel. <i>Fuel</i> , 2020, 266, 117036.	6.4	56
7	Study of resource utilization and fire prevention characteristics of a novel gel formulated from coal mine sludge (MS). <i>Fuel</i> , 2020, 267, 117261.	6.4	41
8	A novel intumescent flame-retardant to inhibit the spontaneous combustion of coal. <i>Fuel</i> , 2021, 297, 120768.	6.4	30
9	Development of a novel composite inhibitor modified with proanthocyanidins and mixed with ammonium polyphosphate. <i>Energy</i> , 2020, 213, 118901.	8.8	29
10	Examination of characteristics of anti-oxidation compound inhibitor for preventing the spontaneous combustion of coal. <i>Fuel</i> , 2022, 310, 122160.	6.4	22
11	Preparation of a self-adhesive hydrogel and research on its flame-retardant properties. <i>Fuel</i> , 2022, 324, 124691.	6.4	14
12	Preparation and evaluation of humic acid-based composite dust suppressant for coal storage and transportation. <i>Environmental Science and Pollution Research</i> , 2022, 29, 17072-17086.	5.3	13
13	Preparation and performance of a biological dust suppressant based on the synergistic effect of enzyme-induced carbonate precipitation and surfactant. <i>Environmental Science and Pollution Research</i> , 2022, 29, 8423-8437.	5.3	7
14	An anti-pressure, fatigue-resistant and rapid self-healing hydrogel based on a nano-micelle assembly. <i>Polymer Chemistry</i> , 2020, 11, 2300-2304.	3.9	6
15	Preparation of superabsorbent lignin-based composite inhibitor and research on its prevention and control characteristics of coal spontaneous combustion. <i>Combustion Science and Technology</i> , 2024, 196, 608-628.	2.3	6
16	Preparation of Mussel-Inspired Stable-Bonding Dust Binders for Fugitive Dust Control. <i>ACS Applied Polymer Materials</i> , 2022, 4, 5341-5354.	4.4	3