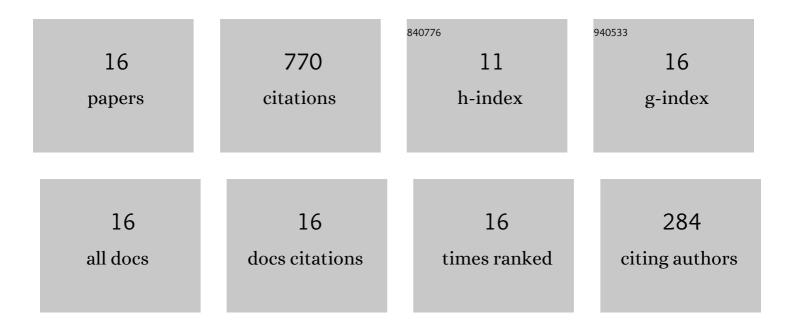


List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Novel sodium silicate/polymer composite gels for the prevention of spontaneous combustion of coal. Journal of Hazardous Materials, 2019, 371, 643-654.	12.4	160
2	Growth environment optimization for inducing bacterial mineralization and its application in concrete healing. Construction and Building Materials, 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. Fuel, 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. Fuel, 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. Fuel, 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. Fuel, 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). Fuel, 2020, 267, 117261.	6.4	41
8	A novel intumescent flame-retardant to inhibit the spontaneous combustion of coal. Fuel, 2021, 297, 120768.	6.4	30
9	Development of a novel composite inhibitor modified with proanthocyanidins and mixed with ammonium polyphosphate. Energy, 2020, 213, 118901.	8.8	29
10	Examination of characteristics of anti-oxidation compound inhibitor for preventing the spontaneous combustion of coal. Fuel, 2022, 310, 122160.	6.4	22
11	Preparation of a self-adhesive hydrogel and research on its flame-retardant properties. Fuel, 2022, 324, 124691.	6.4	14
12	Preparation and evaluation of humic acid–based composite dust suppressant for coal storage and transportation. Environmental Science and Pollution Research, 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. Environmental Science and Pollution Research, 2022, 29, 8423-8437.	5.3	7
14	An anti-pressure, fatigue-resistant and rapid self-healing hydrogel based on a nano-micelle assembly. Polymer Chemistry, 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. Combustion Science and Technology, 2024, 196, 608-628.	2.3	6
16	Preparation of Mussel-Inspired Stable-Bonding Dust Binders for Fugitive Dust Control. ACS Applied Polymer Materials, 2022, 4, 5341-5354.	4.4	3