

Haim Cohen

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

409
citations

687363

13
h-index

752698

20
g-index

28
all docs

28
docs citations

28
times ranked

433
citing authors

#	ARTICLE	IF	CITATIONS
1	Stable radicals formation in coals undergoing weathering: effect of coal rank. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 13046.	2.8	47
2	Environmental impact and potential use of coal fly ash and sub-economical quarry fine aggregates in concrete. <i>Journal of Hazardous Materials</i> , 2018, 344, 1043-1056.	12.4	34
3	Field and Laboratory Simulation Study of Hot Spots in Stockpiled Bituminous Coal. <i>Energy & Fuels</i> , 2012, 26, 7230-7235.	5.1	32
4	Reducing the spin-spin interaction of stable carbon radicals. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 6182.	2.8	28
5	Elucidating the role of stable carbon radicals in the low temperature oxidation of coals by coupled EPR-NMR spectroscopy – a method to characterize surfaces of porous carbon materials. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 9364.	2.8	27
6	Emission of toxic and fire hazardous gases from open air coal stockpiles. <i>Fuel</i> , 1994, 73, 1184-1188.	6.4	26
7	CO ₂ Adsorption Inside the Pore Structure of Different Rank Coals during Low Temperature Oxidation of Open Air Coal Stockpiles. <i>Energy & Fuels</i> , 2011, 25, 4211-4215.	5.1	26
8	Organic volatiles emissions accompanying the low-temperature atmospheric storage of bituminous coals. <i>Fuel</i> , 1995, 74, 1357-1362.	6.4	22
9	Physical and chemical changes in coal fly ash during acidic or neutral wastes treatment, and its™ effect on the fixation process. <i>Fuel</i> , 2016, 184, 69-80.	6.4	20
10	Evolution of molecular hydrogen during the atmospheric oxidation of coal. <i>Fuel</i> , 1991, 70, 897-898.	6.4	19
11	Chemical and Surface Transformations of Bituminous Coal Fly Ash Used in Israel Following Treatments with Acidic and Neutral Aqueous Solutions. <i>Energy & Fuels</i> , 2014, 28, 4657-4665.	5.1	16
12	The involvement of carbon-centered radicals in the aging process of coals under atmospheric conditions: an EPR study. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 27025-27035.	2.8	16
13	Potential of hazardous waste encapsulation in concrete with coal fly ash and bivalve shells. <i>Journal of Cleaner Production</i> , 2018, 185, 870-881.	9.3	14
14	Modes of Formation of Carbon Oxides [CO _x (<i>x</i> = 1 or 2)] from Coals during Atmospheric Storage. Part 2: Effect of Coal Rank on the Kinetics. <i>Energy & Fuels</i> , 2011, 25, 5626-5631.	5.1	13
15	TGA-DSC Combined Coal Analysis as a Tool for QC (Quality Control) and Reactivity Patterns of Coals. <i>ACS Omega</i> , 2022, 7, 1893-1907.	3.5	13
16	Modes of Formation of Carbon Oxides (CO _x (<i>x</i> = 1,2)) From Coals During Atmospheric Storage: Part I Effect of Coal Rank. <i>Energy & Fuels</i> , 2010, 24, 6366-6374.	5.1	11
17	Potential of Hazardous Waste Encapsulation in Concrete Compound Combination with Coal Ash and Quarry Fine Additives. <i>Environmental Science & Technology</i> , 2015, 49, 14146-14155.	10.0	10
18	Production of environmentally friendly sand-like products from granitoid waste sludge and coal fly ash for civil engineering. <i>Journal of Cleaner Production</i> , 2019, 238, 117880.	9.3	9

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19	Fixation of treated phosphate waste and its use in concrete. Journal of Cleaner Production, 2018, 178, 89-97.	9.3	6
20	Mechanism Underlying the Emission of Gases during the Low-Temperature Oxidation of Bituminous and Lignite Coal Piles: The Involvement of Radicals. ACS Omega, 2020, 5, 28500-28509.	3.5	5
21	Nitrogen concentration and anisotropic effects on the EPR spectra of natural diamonds. CrystEngComm, 2021, 23, 3453-3459.	2.6	5
22	Microwave Spectroscopy as a Potential Tool for Color Grading Diamonds. Energies, 2021, 14, 3507.	3.1	3
23	The effects of thermal treatment and irradiation on the chemical properties of natural diamonds. Physical Chemistry Chemical Physics, 2022, 24, 11696-11703.	2.8	3
24	Exploring the Radical Nature of a Carbon Surface by Electron Paramagnetic Resonance and a Calibrated Gas Flow. Journal of Visualized Experiments, 2014, , .	0.3	2
25	Millimeter wave spectroscopy for evaluating diamond color grades. Diamond and Related Materials, 2021, 116, 108386.	3.9	2
26	Thermal Stability of Carbon-Centered Radicals Involved in Low-Temperature Oxidation of Bituminous and Lignite Coals as a Function of Temperature. ACS Omega, 2021, 6, 33428-33435.	3.5	0
27	Microwave spectroscopy as a potential tool for characterizing synthetic HPHT diamonds. CrystEngComm, 2022, 24, 1849-1858.	2.6	0
28	Effect of Diamond Polishing and Thermal Treatment on Carbon Paramagnetic Centers Nature and Structure. Materials, 2021, 14, 7719.	2.9	0