Haim Cohen

List of Publications by Year
in descending order

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	TGAâ€“DSC Combined Coal Analysis as a Tool for QC (Quality Control) and Reactivity Patterns of Coals. ACS Omega, 2022, 7, 1893-1907.	3.5	13
2	Microwave spectroscopy as a potential tool for characterizing synthetic HPHT diamonds. CrystEngComm, 2022, 24, 1849-1858.	2.6	0
3	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
4	Nitrogen concentration and anisotropic effects on the EPR spectra of natural diamonds. CrystEngComm, 2021, 23, 3453-3459.	2.6	5
5	Microwave Spectroscopy as a Potential Tool for Color Grading Diamonds. Energies, 2021, 14, 3507.	3.1	3
6	Millimeter wave spectroscopy for evaluating diamond color grades. Diamond and Related Materials, 2021, 116, 108386.	3.9	2
7	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
8	Effect of Diamond Polishing and Thermal Treatment on Carbon Paramagnetic Centersâ€™ Nature and Structure. Materials, 2021, 14, 7719.	2.9	0
9	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
10	Production of environmentally friendly sand-like products from granitoid waste sludge and coal fly ash for civil engineering. Journal of Cleaner Production, 2019, 238, 117880.	9.3	9
11	Fixation of treated phosphate waste and its use in concrete. Journal of Cleaner Production, 2018, 178, 89-97.	9.3	6
12	Potential of hazardous waste encapsulation in concrete with coal fly ash and bivalve shells. Journal of Cleaner Production, 2018, 185, 870-881.	9.3	14
13	Environmental impact and potential use of coal fly ash and sub-economical quarry fine aggregates in concrete. Journal of Hazardous Materials, 2018, 344, 1043-1056.	12.4	34
14	The involvement of carbon-centered radicals in the aging process of coals under atmospheric conditions: an EPR study. Physical Chemistry Chemical Physics, 2018, 20, 27025-27035.	2.8	16
15	Physical and chemical changes in coal fly ash during acidic or neutral wastes treatment, and itsâ€™ effect on the fixation process. Fuel, 2016, 184, 69-80.	6.4	20
16	Potential of Hazardous Waste Encapsulation in Concrete Compound Combination with Coal Ash and Quarry Fine Additives. Environmental Science & Technology, 2015, 49, 14146-14155.	10.0	10
17	Chemical and Surface Transformations of Bituminous Coal Fly Ash Used in Israel Following Treatments with Acidic and Neutral Aqueous Solutions. Energy & Fuels, 2014, 28, 4657-4665.	5.1	16
18	Elucidating the role of stable carbon radicals in the low temperature oxidation of coals by coupled EPRâ€“NMR spectroscopy â€“ a method to characterize surfaces of porous carbon materials. Physical Chemistry Chemical Physics, 2014, 16, 9364.	2.8	27

#	Article	IF	Citations
19	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
20	Reducing the spinâ€“spin interaction of stable carbon radicals. Physical Chemistry Chemical Physics, 2013, 15, 6182.	2.8	28
21	Field and Laboratory Simulation Study of Hot Spots in Stockpiled Bituminous Coal. Energy & Fuels, 2012, 26, 7230-7235.	5.1	32
22	Stable radicals formation in coals undergoing weathering: effect of coal rank. Physical Chemistry Chemical Physics, 2012, 14, 13046.	2.8	47
23	CO₂ Adsorption Inside the Pore Structure of Different Rank Coals during Low Temperature Oxidation of Open Air Coal Stockpiles. Energy & Fuels, 2011, 25, 4211-4215.	5.1	26
24	Modes of Formation of Carbon Oxides [CO_x (x = 1 or 2)] from Coals during Atmospheric Storage. Part 2: Effect of Coal Rank on the Kinetics. Energy & Fuels, 2011, 25, 5626-5631.	5.1	13
25	Modes of Formation of Carbon Oxides (CO_x(x= 1,2)) From Coals During Atmospheric Storage: Part I Effect of Coal Rank. Energy & Fuels, 2010, 24, 6366-6374.	5.1	11
26	Organic volatiles emissions accompanying the low-temperature atmospheric storage of bituminous coals. Fuel, 1995, 74, 1357-1362.	6.4	22
27	Emission of toxic and fire hazardous gases from open air coal stockpiles. Fuel, 1994, 73, 1184-1188.	6.4	26
28	Evolution of molecular hydrogen during the atmospheric oxidation of coal. Fuel, 1991, 70, 897-898.	6.4	19