Zeev Aizenshtat

List of Publications by Year
in descending order

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64 papers	1,804 citations	236925 25 h-index	289244 40 g-index
67 all docs	67 docs citations	67 times ranked	1511 citing authors

#	Article	IF	Citations
1	Catalytic Hydrocracking -Hydrogenation of Castor Oil Fatty Acid Methyl Esters over Nickel Substituted Polyoxometalate Catalyst. ChemistrySelect, 2016, 1, 6396-6405.	1.5	7
2	Preparation of halogenated furfurals as intermediates in the carbohydrates to biofuel process. RSC Advances, 2016, 6, 36069-36076.	3.6	5
3	Palladium catalyzed hydrogenation of biomass derived halogenated furfurals. RSC Advances, 2016, 6, 103149-103159.	3.6	5
4	Study of thermochemical sulfate reduction mechanism using compound specific sulfur isotope analysis. Geochimica Et Cosmochimica Acta, 2016, 188, 73-92.	3.9	64
5	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
6	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
7	The action of elemental sulfur plus water on 1-octene at low temperatures. Organic Geochemistry, 2013, 59, 82-86.	1.8	15
8	Reducing the spinâ€“spin interaction of stable carbon radicals. Physical Chemistry Chemical Physics, 2013, 15, 6182.	2.8	28
9	Glycine betaine is the main organic osmotic solute in a stratified microbial community in a hypersaline evaporitic gypsum crust. Extremophiles, 2013, 17, 445-451.	2.3	20
10	Field and Laboratory Simulation Study of Hot Spots in Stockpiled Bituminous Coal. Energy & Fuels, 2012, 26, 7230-7235.	5.1	32
11	Stable radicals formation in coals undergoing weathering: effect of coal rank. Physical Chemistry Chemical Physics, 2012, 14, 13046.	2.8	47
12	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
13	Sorption of organic compounds to humin from soils irrigated with reclaimed wastewater. Geoderma, 2008, 145, 98-106.	5.1	15
14	Sulfur isotope fractionation during incorporation of sulfur nucleophiles into organic compounds. Chemical Communications, 2008, , 1356.	4.1	19
15	Sulfur Stable Isotope Distribution of Polysulfide Anions in an (NH4)2SnAqueous Solution. Inorganic Chemistry, 2006, 45, 1427-1429.	4.0	43
16	Experiments on Î´34S mixing between organic and inorganic sulfur species during thermal maturation. Geochimica Et Cosmochimica Acta, 2006, 70, 5146-5161.	3.9	38
17	The Role of Lipids on Sorption Characteristics of Freshwater- and Wastewater-Irrigated Soils. Journal of Environmental Quality, 2006, 35, 2154-2161.	2.0	22
18	Sorption-Desorption Behavior of Atrazine in Soils Irrigated with Reclaimed Wastewater. Soil Science Society of America Journal, 2005, 69, 1703-1710.	2.2	58

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19	Stable sulfur isotope partitioning during simulated petroleum formation as determined by hydrous pyrolysis of Ghareb Limestone, Israel. Geochimica Et Cosmochimica Acta, 2005, 69, 5317-5331.	3.9	61
20	The Î´34S values of the early-cleaved sulfur upon low temperature pyrolysis of a synthetic polysulfide cross-linked polymer. Organic Geochemistry, 2005, 36, 971-974.	1.8	9
21	Significance of Î´34S and evaluation of its imprint on sedimentary organic matter: I. The role of reduced sulfur species in the diagenetic stage: A conceptual review. Geochemical Society Special Publications, 2004, , 15-33.	0.1	12
22	Photosensitized oxidation of naturally occurring isoprenoid allyl alcohols as a possible pathway for their transformation to thiophenes in sulfur rich depositional environments. Organic Geochemistry, 2004, 35, 693-712.	1.8	16
23	Reaction of polysulfide anions with Î±,Î² unsaturated isoprenoid aldehydes in aquatic media: simulation of oceanic conditions. Organic Geochemistry, 2004, 35, 909-921.	1.8	44
24	Mechanisms of sulfur introduction chemically controlled: Î´34S imprint. Organic Geochemistry, 2004, 35, 1319-1336.	1.8	83
25	Significance of Î´34S and evaluation of its imprint on sedimentary sulfur rich organic matter II: Thermal changes of kerogens type II-S catagenetic stage controlled mechanisms. A study and conceptual overview. Geochemical Society Special Publications, 2004, , 35-50.	0.1	12
26	Analysis of Dienes and Polyenes and Their Structure Determination. , 2003, , 481-505.		1
27	Preferential catalytic hydrogenation of aromatic compounds versus ketones with a palladium substituted polyoxometalate as pre-catalyst. New Journal of Chemistry, 2002, 26, 272-274.	2.8	51
28	Carbonâ^'Carbon and Carbonâ^'Nitrogen Coupling Reactions Catalyzed by Palladium Nanoparticles Derived from a Palladium Substituted Keggin-Type Polyoxometalate. Organic Letters, 2002, 4, 3529-3532.	4.6	185
29	Thermal behavior of brominated and polybrominated compounds I: closed vessel conditions. Journal of Analytical and Applied Pyrolysis, 2002, 63, 105-128.	5.5	36
30	Thermal behavior of brominated and polybrominated compounds II: Pyroproducts of brominated phenols as mechanistic tools. Journal of Analytical and Applied Pyrolysis, 2002, 63, 129-145.	5.5	24
31	Polyoxometalates as Reduction Catalysts: Deoxygenation and Hydrogenation of Carbonyl Compounds. Angewandte Chemie - International Edition, 1999, 38, 3331-3334.	13.8	66
32	Polyoxometalates as Reduction Catalysts: Deoxygenation and Hydrogenation of Carbonyl Compounds. Angewandte Chemie - International Edition, 1999, 38, 3331-3334.	13.8	1
33	Title is missing!. Journal of Chemical Ecology, 1998, 24, 1033-1047.	1.8	17
34	Kinetic resolution of racemic 2,2â€²-bis(trifluoromethane-sulfonyloxy)-1,1â€²-binaphthalene by chiral dimethylaluminum complexes and an achiral Pd catalyst, as well as by achiral dimethylaluminum reagents in the presence of a chiral Pd catalyst. Tetrahedron Letters, 1998, 39, 5611-5614.	1.4	25
35	Oil-oil correlation and potential source rocks for oils in Paleozoic reservoir rocks in the Tataria and Perm basins, Russia. Organic Geochemistry, 1998, 29, 701-712.	1.8	15
36	Palladium-Catalyzed Methylation of Aryl and Vinyl Halides by Stabilized Methylaluminum and Methylgallium Complexes. Journal of Organic Chemistry, 1997, 62, 8681-8686.	3.2	87

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37	Proposed Thermal Pathways for Sulfur Transformations in Organic Macromolecules: Laboratory Simulation Experiments. ACS Symposium Series, 1995, , 110-137.	0.5	18
38	Role of Sulfur in the Transformations of Sedimentary Organic Matter: A Mechanistic Overview. ACS Symposium Series, 1995, , 16-37.	0.5	49
39	Preparation of a thiophenol/formaldehyde resin; its structure and the mechanism of its pyrolysis. Journal of Analytical and Applied Pyrolysis, 1994, 28, 231-244.	5.5	4
40	The formation of isoprenoid sulfur compounds during diagenesis: simulated sulfur incorporation and thermal transformation. Organic Geochemistry, 1994, 21, 1015-1025.	1.8	67
41	Osmotic adaptation of microbial communities in hypersaline microbial mats. , 1994, , 125-130.		9
42	Isothermal fluidized-bed studies on the kinetics and pyro-products of linear and branched poly(p-phenylene sulfide) and proposed mechanisms. Journal of Analytical and Applied Pyrolysis, 1993, 27, 131-143.	5.5	11
43	Phase-transfer-catalyzed reactions between polysulfide anions and .alpha.,.beta.-unsaturated carbonyl compounds. Journal of Organic Chemistry, 1993, 58, 6103-6108.	3.2	50
44	Investigation of pyrolytically produced condensates of phenol-formaldehyde resins, in relation to their structure and decomposition mechanism. Journal of Analytical and Applied Pyrolysis, 1992, 22, 153-178.	5.5	32
45	Reactions of Clay Volatiles with n-Alkanes. Clays and Clay Minerals, 1989, 37, 446-450.	1.3	7
46	Maturation trend in oils and asphalts of the Jordan Rift: Utilization of detailed vanadylporphyrin analysis. Geochimica Et Cosmochimica Acta, 1989, 53, 3185-3188.	3.9	21
47	Correlation between geochemical environments and controlling factors in the metallation of porphyrins. Organic Geochemistry, 1988, 13, 747-756.	1.8	10
48	Metallation of porphyrins in two-phase systems using carboxylic acids, thiols, and phenols. Journal of the Chemical Society Perkin Transactions II, 1987, , 287.	0.9	2
49	Porphyrin metallation by graphiteâ€“metal intercalates: a model for the occurrence of metalloporphyrins in coal. Journal of the Chemical Society Chemical Communications, 1987, .	2.0	2
50	Thermal behavior of immature asphalts and related kerogens. Organic Geochemistry, 1986, 10, 537-546.	1.8	10
51	Electron spin resonance of stabilized free radicals in sedimentary organic matter. Organic Geochemistry, 1986, 9, 321-329.	1.8	33
52	The chemistry of polycyclic arene imine. VI. 1-[N,N-di-(2-propenyl)-9-phenanthreneamine-10-yl]-1a,9b-dihydrophenanthro[9,10-b]azirine an unusual allylation product of phenanthrene 9,10-imine. Journal of Heterocyclic Chemistry, 1985, 22, 865-868.	2.6	5
53	The chemistry of polycyclic arene imines. III. Nâ€alkylation of phenanthrene 9,10â€imineNâ€alkylation of phenanthrene 9,10â€imine. Journal of Heterocyclic Chemistry, 1984, 21, 1-3.	2.6	10
54	The chemistry of polycyclic arene imines. V. Reactions of phenanthrene 9,10-imine with nucleophiles under phase transfer conditions. Journal of Heterocyclic Chemistry, 1984, 21, 1597-1601.	2.6	12

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55	Biological markers in bitumens and pyrolyzates of Upper Cretaceous bituminous chalks from the Ghareb Formation (Israel). Geochimica Et Cosmochimica Acta, 1984, 48, 151-157.	3.9	99
56	The chemistry of polycyclic arene imines. II. Photochemistry of phenanthrene 9,10â€imine and of its Nâ€butyl derivative. Journal of Heterocyclic Chemistry, 1983, 20, 1019-1022.	2.6	10
57	Evaluation of source, environments of deposition and diagenesis of some israeli â€œoil shalesâ€•â€” N-Alkanes, fatty acids, tetrapyrroles and kerogen. Chemical Geology, 1983, 39, 189-214.	3.3	26
58	Thermal Evaluation of Bituminous Rocks and Pyroproducts. Israel Journal of Chemistry, 1982, 22, 266-272.	2.3	8
59	The chemistry of polycyclic arene imines. I. Substitution at the nitrogen atom of 1a,9bâ€dihydroâ€1Hâ€phenanthro[9,10â€b]azirine. Journal of Heterocyclic Chemistry, 1981, 18, 1513-1516.	2.6	15
60	An improved synthesis of carbocyclic and heterocyclic arene imines. Journal of Organic Chemistry, 1980, 45, 4252-4254.	3.2	25
61	Tetrapyrroles and associated compounds in Dead Sea asphalts. Chemical Geology, 1979, 24, 161-174.	3.3	15
62	Extrusion of halogens from aromatic compounds by transition metal complexes. Reaction of IrCl(CO)(PPh3)2 with halogenated benzaldehydes. Transition Metal Chemistry, 1976, 1, 52-54.	1.4	4
63	Thermal alteration experiments on organic matter in recent marine sedimentâ€”I. Pigments. Geochimica Et Cosmochimica Acta, 1975, 39, 173-185.	3.9	33
64	The Analysis of Alkanes and Cycloalkanes. , 0, , 289-349.		2