

# Joseph J Pignatello

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

129  
papers

17,995  
citations

59  
h-index

132  
g-index

132  
ext. papers

19,690  
ext. citations

8.5  
avg, IF

7.07  
L-index

#	Paper	IF	Citations
129	Sorption and Mobility of Charged Organic Compounds: How to Confront and Overcome Limitations in Their Assessment.. <i>Environmental Science &amp; Technology</i> , <b>2022</b> ,	10.3	4
128	Abatement of Polycyclic Aromatic Hydrocarbon Residues in Biochars by Thermal Oxidation. <i>Environmental Science and Technology Letters</i> , <b>2021</b> , 8, 451-456	11	0
127	The Fenton Reaction in Water Assisted by Picolinic Acid: Accelerated Iron Cycling and Co-generation of a Selective Fe-Based Oxidant. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 8299-8308	10.3	12
126	Adsorption of Organic Compounds by Biomass Chars: Direct Role of Aromatic Condensation (Ring Cluster Size) Revealed by Experimental and Theoretical Studies. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 1594-1603	10.3	10
125	Evaluation of select biochars and clays as supports for phytase to increase the fertilizer potential of animal wastes. <i>Science of the Total Environment</i> , <b>2021</b> , 787, 147720	10.2	1
124	Physicochemical Changes in Biomass Chars by Thermal Oxidation or Ambient Weathering and Their Impacts on Sorption of a Hydrophobic and a Cationic Compound. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 13072-13081	10.3	1
123	Modification of pyrogenic carbons for phosphate sorption through binding of a cationic polymer. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 579, 258-268	9.3	16
122	Revisiting the phenanthroline and ferrozine colorimetric methods for quantification of Fe(II) in Fenton reactions. <i>Chemical Engineering Journal</i> , <b>2020</b> , 391, 123592	14.7	9
121	Reaction of Substituted Phenols with Lignin Char: Dual Oxidative and Reductive Pathways Depending on Substituents and Conditions. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 15811-15820	10.3	8
120	Importance of Soil Properties and Processes on Bioavailability of Organic Compounds. <i>Handbook of Environmental Chemistry</i> , <b>2020</b> , 7-41	0.8	4
119	Peroxymonosulfate Oxidizes Amino Acids in Water without Activation. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 10845-10854	10.3	37
118	Effects of post-pyrolysis air oxidation on the chemical composition of biomass chars investigated by solid-state nuclear magnetic resonance spectroscopy. <i>Carbon</i> , <b>2019</b> , 153, 173-178	10.4	4
117	Modified carbons for enhanced nucleophilic substitution reactions of adsorbed methyl bromide. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 233, 281-288	21.8	4
116	Oxidation of Organic Compounds in Water by Unactivated Peroxymonosulfate. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 5911-5919	10.3	306
115	Bioaccumulation of CeO Nanoparticles by Earthworms in Biochar-Amended Soil: A Synchrotron Microspectroscopy Study. <i>Journal of Agricultural and Food Chemistry</i> , <b>2018</b> , 66, 6609-6618	5.7	18
114	Bioaccessibility of PAHs and PAH derivatives in a fuel soot assessed by an in vitro digestive model with absorptive sink: Effects of aging the soot in a soil-water mixture. <i>Science of the Total Environment</i> , <b>2018</b> , 615, 169-176	10.2	12
113	Charge-assisted hydrogen bonding as a cohesive force in soil organic matter: water solubility enhancement by addition of simple carboxylic acids. <i>Environmental Sciences: Processes and Impacts</i> , <b>2018</b> , 20, 1225-1233	4.3	7

112	Adsorption and desorption of nitrous oxide by raw and thermally air-oxidized chars. <i>Science of the Total Environment</i> , <b>2018</b> , 643, 1436-1445	10.2	13
111	Thermal air oxidation changes surface and adsorptive properties of black carbon (char/biochar). <i>Science of the Total Environment</i> , <b>2018</b> , 618, 276-283	10.2	35
110	Exposure of agricultural crops to nanoparticle CeO in biochar-amended soil. <i>Plant Physiology and Biochemistry</i> , <b>2017</b> , 110, 147-157	5.4	43
109	Activated carbon-mediated base hydrolysis of alkyl bromides. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 211, 68-78	21.8	9
108	Structural Transformation of Biochar Black Carbon by C Superstructure: Environmental Implications. <i>Scientific Reports</i> , <b>2017</b> , 7, 11787	4.9	3
107	Activity and Reactivity of Pyrogenic Carbonaceous Matter toward Organic Compounds. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 8893-8908	10.3	137
106	Surface Interactions between Gold Nanoparticles and Biochar. <i>Scientific Reports</i> , <b>2017</b> , 7, 5027	4.9	19
105	Degradation of p-Nitrophenol by Lignin and Cellulose Chars: HO-Mediated Reaction and Direct Reaction with the Char. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 8972-8980	10.3	80
104	Participation of the Halogens in Photochemical Reactions in Natural and Treated Waters. <i>Molecules</i> , <b>2017</b> , 22,	4.8	36
103	Bioaccessibility of nitro- and oxy-PAHs in fuel soot assessed by an in vitro digestive model with absorptive sink. <i>Environmental Pollution</i> , <b>2016</b> , 218, 901-908	9.3	11
102	ISOT_Calc: A versatile tool for parameter estimation in sorption isotherms. <i>Computers and Geosciences</i> , <b>2016</b> , 94, 11-17	4.5	8
101	Investigation of sorbate-induced plasticization of Pahokee peat by solid-state NMR spectroscopy. <i>Journal of Soils and Sediments</i> , <b>2016</b> , 16, 1841-1848	3.4	3
100	Effect of matrix components on UV/H <sub>2</sub> O <sub>2</sub> and UV/S <sub>2</sub> O <sub>8</sub> ( <sup>2-</sup> ) advanced oxidation processes for trace organic degradation in reverse osmosis brines from municipal wastewater reuse facilities. <i>Water Research</i> , <b>2016</b> , 89, 192-200	12.5	168
99	Activation of Hydrogen Peroxide and Solid Peroxide Reagents by Phosphate Ion in Alkaline Solution. <i>Environmental Engineering Science</i> , <b>2016</b> , 33, 193-199	2	13
98	Environmental fate of the fungicide metalaxyl in soil amended with composted olive-mill waste and its biochar: An enantioselective study. <i>Science of the Total Environment</i> , <b>2016</b> , 541, 776-783	10.2	58
97	Effects of Post-Pyrolysis Air Oxidation of Biomass Chars on Adsorption of Neutral and Ionizable Compounds. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 6276-83	10.3	68
96	Bioaccessibility of PAHs in fuel soot assessed by an in vitro digestive model: effect of including an absorptive sink. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 3905-12	10.3	45
95	Interactions of triazine herbicides with biochar: Steric and electronic effects. <i>Water Research</i> , <b>2015</b> , 80, 179-88	12.5	96

94	Heteroaggregation of Cerium Oxide Nanoparticles and Nanoparticles of Pyrolyzed Biomass. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 13294-303	10.3	64
93	Bioaccessibility of PAHs in Fuel Soot Assessed by an in Vitro Digestive Model with Absorptive Sink: Effect of Food Ingestion. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 14641-8	10.3	32
92	Active removal of biochar by earthworms ( <i>Lumbricus terrestris</i> ). <i>Pedobiologia</i> , <b>2015</b> , 58, 1-6	1.7	23
91	Reduction of nitroaromatics sorbed to black carbon by direct reaction with sorbed sulfides. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 3419-26	10.3	53
90	Competitive sorption used to probe strong hydrogen bonding sites for weak organic acids on carbon nanotubes. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 1409-17	10.3	45
89	Reoxidation of photoreduced polyoxotungstate ([PW12O40](4-)) by different oxidants in the presence of a model pollutant. Kinetics and reaction mechanism. <i>Journal of Physical Chemistry A</i> , <b>2015</b> , 119, 1055-65	2.8	14
88	$\pi$ - $\pi$ Interactions between (hetero)aromatic amine cations and the graphitic surfaces of pyrogenic carbonaceous materials. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 906-14	10.3	81
87	Sunlight-driven photochemical halogenation of dissolved organic matter in seawater: a natural abiotic source of organobromine and organoiodine. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 7418-27	10.3	54
86	Influence of molecular structure and adsorbent properties on sorption of organic compounds to a temperature series of wood chars. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 4790-8	10.3	114
85	Comparison of halide impacts on the efficiency of contaminant degradation by sulfate and hydroxyl radical-based advanced oxidation processes (AOPs). <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 2344-51	10.3	546
84	Sorption selectivity in natural organic matter probed with fully deuterium-exchanged and carbonyl-13C-labeled benzophenone and 1H-13C NMR spectroscopy. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 8645-52	10.3	18
83	Effect of adsorption nonlinearity on the pH-adsorption profile of ionizable organic compounds. <i>Langmuir</i> , <b>2014</b> , 30, 1994-2001	4	28
82	Synthesis and application of a quaternary phosphonium polymer coagulant to avoid N-nitrosamine formation. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 13392-401	10.3	18
81	Characterization of oil shale, isolated kerogen, and postpyrolysis residues using advanced 13C solid-state nuclear magnetic resonance spectroscopy. <i>AAPG Bulletin</i> , <b>2013</b> , 97, 421-436	2.5	26
80	Catalytic oxidation for elimination of methyl bromide fumigation emissions using ceria-based catalysts. <i>Applied Catalysis B: Environmental</i> , <b>2013</b> , 142-143, 785-794	21.8	13
79	Role of black carbon electrical conductivity in mediating hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) transformation on carbon surfaces by sulfides. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 7129-36	10.3	123
78	Predicting contaminant adsorption in black carbon (biochar)-amended soil for the veterinary antimicrobial sulfamethazine. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 6197-205	10.3	86
77	New insight into adsorption mechanism of ionizable compounds on carbon nanotubes. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 8334-41	10.3	41

76	Influence of ionic strength on triplet-state natural organic matter loss by energy transfer and electron transfer pathways. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 10987-94	10.3	84
75	Laboratory Tests of Biochars as Absorbents for Use in Recovery or Containment of Marine Crude Oil Spills. <i>Environmental Engineering Science</i> , <b>2013</b> , 30, 374-380	2	32
74	Evidence of micropore filling for sorption of nonpolar organic contaminants by condensed organic matter. <i>Journal of Environmental Quality</i> , <b>2013</b> , 42, 806-14	3.4	30
73	Adsorption of Dissolved Organic Compounds by Black Carbon <b>2013</b> , 359-385		6
72	Characterization of Wood Chars Produced at Different Temperatures Using Advanced Solid-State <sup>13</sup> C NMR Spectroscopic Techniques. <i>Energy &amp; Fuels</i> , <b>2012</b> , 26, 5983-5991	4.1	106
71	Dynamic interactions of natural organic matter and organic compounds. <i>Journal of Soils and Sediments</i> , <b>2012</b> , 12, 1241-1256	3.4	50
70	Impact of halide ions on natural organic matter-sensitized photolysis of <sup>17</sup> Estradiol in saline waters. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 7128-34	10.3	71
69	Advanced solid-state NMR characterization of marine dissolved organic matter isolated using the coupled reverse osmosis/electrodialysis method. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 5806-14	10.3	51
68	Preparation and characterization of humic acid cross-linked with organic bridging groups. <i>Organic Geochemistry</i> , <b>2012</b> , 47, 132-138	3.1	11
67	Sorption selectivity in natural organic matter studied with nitroxyl paramagnetic relaxation probes. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 12814-22	10.3	21
66	Sorbic acid as a quantitative probe for the formation, scavenging and steady-state concentrations of the triplet-excited state of organic compounds. <i>Water Research</i> , <b>2011</b> , 45, 6535-44	12.5	114
65	Adsorption of aromatic carboxylate ions to black carbon (biochar) is accompanied by proton exchange with water. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 9240-8	10.3	109
64	Speciation of the ionizable antibiotic sulfamethazine on black carbon (biochar). <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 10020-7	10.3	336
63	Effect of Biochar Amendments on Mycorrhizal Associations and Fusarium Crown and Root Rot of Asparagus in Replant Soils. <i>Plant Disease</i> , <b>2011</b> , 95, 960-966	1.5	160
62	Sources, interactions, and ecological impacts of organic contaminants in water, soil, and sediment: an introduction to the special series. <i>Journal of Environmental Quality</i> , <b>2010</b> , 39, 1133-8	3.4	14
61	Effect of halide ions and carbonates on organic contaminant degradation by hydroxyl radical-based advanced oxidation processes in saline waters. <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 6822-8	10.3	516
60	Impact of halides on the photobleaching of dissolved organic matter. <i>Marine Chemistry</i> , <b>2009</b> , 115, 134-144	3.7	62
59	Sorption irreversibility of 1,4-dichlorobenzene in two natural organic matter-rich geosorbents. <i>Environmental Toxicology and Chemistry</i> , <b>2009</b> , 28, 447-57	3.8	31

58	Adsorption of 2,4,6-trichlorophenol by multi-walled carbon nanotubes as affected by Cu(II). <i>Water Research</i> , <b>2009</b> , 43, 2409-18	12.5	124
57	Bioavailability of Contaminants in Soil. <i>Soil Biology</i> , <b>2009</b> , 35-71	1	8
56	On the reversibility of sorption to black carbon: distinguishing true hysteresis from artificial hysteresis caused by dilution of a competing adsorbate. <i>Environmental Science &amp; Technology</i> , <b>2007</b> , 41, 843-9	10.3	38
55	Effect of natural organic substances on the surface and adsorptive properties of environmental black carbon (char): attenuation of surface activity by humic and fulvic acids. <i>Environmental Science &amp; Technology</i> , <b>2006</b> , 40, 7757-63	10.3	332
54	Conditioning-annealing studies of natural organic matter solids linking irreversible sorption to irreversible structural expansion. <i>Environmental Science &amp; Technology</i> , <b>2006</b> , 40, 170-8	10.3	57
53	Nonlinear and competitive sorption of apolar compounds in black carbon-free natural organic materials. <i>Journal of Environmental Quality</i> , <b>2006</b> , 35, 1049-59	3.4	71
52	Advanced Oxidation Processes for Organic Contaminant Destruction Based on the Fenton Reaction and Related Chemistry. <i>Critical Reviews in Environmental Science and Technology</i> , <b>2006</b> , 36, 1-84	11.1	2535
51	An isotope exchange technique to assess mechanisms of sorption hysteresis applied to naphthalene in kerogenous organic matter. <i>Environmental Science &amp; Technology</i> , <b>2005</b> , 39, 7476-84	10.3	51
50	A concentration-dependent multi-term linear free energy relationship for sorption of organic compounds to soils based on the hexadecane dilute-solution reference state. <i>Environmental Science &amp; Technology</i> , <b>2005</b> , 39, 8817-28	10.3	48
49	Characterization of aromatic compound sorptive interactions with black carbon (charcoal) assisted by graphite as a model. <i>Environmental Science &amp; Technology</i> , <b>2005</b> , 39, 2033-41	10.3	339
48	Adsorption of single-ring organic compounds to wood charcoals prepared under different thermochemical conditions. <i>Environmental Science &amp; Technology</i> , <b>2005</b> , 39, 3990-8	10.3	222
47	Characterization of charcoal adsorption sites for aromatic compounds: insights drawn from single-solute and bi-solute competitive experiments. <i>Environmental Science &amp; Technology</i> , <b>2005</b> , 39, 1606-15	10.3	165
46	Effect of natural organic substances on the surface and adsorptive properties of environmental black carbon (char): pseudo pore blockage by model lipid components and its implications for N <sub>2</sub> -probed surface properties of natural sorbents. <i>Environmental Science &amp; Technology</i> , <b>2005</b> , 39, 7932-9	10.3	169
45	A thermodynamically based method to quantify true sorption hysteresis. <i>Journal of Environmental Quality</i> , <b>2005</b> , 34, 1063-72	3.4	119
44	Sorption of apolar aromatic compounds to soil humic acid particles affected by aluminum(III) ion Cross-Linking. <i>Journal of Environmental Quality</i> , <b>2004</b> , 33, 1314-21	3.4	88
43	Formation of pi-pi complexes between phenanthrene and model pi-acceptor humic subunits. <i>Journal of Environmental Quality</i> , <b>2004</b> , 33, 265-75	3.4	80
42	Model-aided characterization of Tenax-TA for aromatic compound uptake from water. <i>Environmental Toxicology and Chemistry</i> , <b>2004</b> , 23, 1592-9	3.8	40
41	History-dependent sorption in humic acids and a lignite in the context of a polymer model for natural organic matter. <i>Environmental Science &amp; Technology</i> , <b>2004</b> , 38, 5853-62	10.3	58

40	Evidence for pi-pi electron donor-acceptor interactions between pi-donor aromatic compounds and pi-acceptor sites in soil organic matter through pH effects on sorption. <i>Environmental Science &amp; Technology</i> , <b>2004</b> , 38, 4361-8	10.3	214
39	Sorption hysteresis of benzene in charcoal particles. <i>Environmental Science &amp; Technology</i> , <b>2003</b> , 37, 409-17	10.3	282
38	Demonstration of the "conditioning effect" in soil organic matter in support of a pore deformation mechanism for sorption hysteresis. <i>Environmental Science &amp; Technology</i> , <b>2002</b> , 36, 4553-61	10.3	155
37	Application of the dual-mode model for predicting competitive sorption equilibria and rates of polycyclic aromatic hydrocarbons in estuarine sediment suspensions. <i>Environmental Toxicology and Chemistry</i> , <b>2002</b> , 21, 2276-82	3.8	
36	Dual-mode modeling of competitive and concentration-dependent sorption and desorption kinetics of polycyclic aromatic hydrocarbons in soils. <i>Water Resources Research</i> , <b>2001</b> , 37, 2205-2212	5.4	50
35	Detailed sorption isotherms of polar and apolar compounds in a high-organic soil. <i>Environmental Science &amp; Technology</i> , <b>2001</b> , 35, 84-94	10.3	157
34	Effect of solute concentration on sorption of polyaromatic hydrocarbons in soil: uptake rates. <i>Environmental Science &amp; Technology</i> , <b>2001</b> , 35, 2765-72	10.3	43
33	An Approach for Incorporating Information on Chemical Availability in Soils into Risk Assessment and Risk-Based Decision Making, Prepared by: The New England Environmentally Acceptable Endpoints Workgroup. <i>Human and Ecological Risk Assessment (HERA)</i> , <b>2000</b> , 6, 479-510	4.9	10
32	The Measurement and Interpretation of Sorption and Desorption Rates for Organic Compounds in Soil Media. <i>Advances in Agronomy</i> , <b>1999</b> , 69, 1-73	7.7	62
31	Degradation and detoxification of the wood preservatives creosote and pentachlorophenol in water by the photo-Fenton reaction. <i>Water Research</i> , <b>1999</b> , 33, 1151-1158	12.5	80
30	Degradation of selected pesticide active ingredients and commercial formulations in water by the photo-assisted Fenton reaction. <i>Water Research</i> , <b>1999</b> , 33, 1238-1246	12.5	271
29	Pignatello and Xing's Comment on Evaluation of the Glassy/Rubbery Model for Soil Organic Matter. <i>Environmental Science &amp; Technology</i> , <b>1999</b> , 33, 2837-2838	10.3	16
28	Influence of Bisolute Competition on the Desorption Kinetics of Polycyclic Aromatic Hydrocarbons in Soil. <i>Environmental Science &amp; Technology</i> , <b>1999</b> , 33, 4292-4298	10.3	75
27	Evidence for an Additional Oxidant in the Photoassisted Fenton Reaction. <i>Environmental Science &amp; Technology</i> , <b>1999</b> , 33, 1832-1839	10.3	319
26	Competitive Sorption between 1,3-Dichlorobenzene or 2,4-Dichlorophenol and Natural Aromatic Acids in Soil Organic Matter. <i>Environmental Science &amp; Technology</i> , <b>1998</b> , 32, 614-619	10.3	124
25	Role of Quinone Intermediates as Electron Shuttles in Fenton and Photoassisted Fenton Oxidations of Aromatic Compounds. <i>Environmental Science &amp; Technology</i> , <b>1997</b> , 31, 2399-2406	10.3	497
24	Sequestration of Hydrophobic Organic Contaminants by Geosorbents. <i>Environmental Science &amp; Technology</i> , <b>1997</b> , 31, 3341-3347	10.3	853
23	Response to Comment on Competitive Sorption between Atrazine and Other Organic Compounds in Soils and Model Sorbents. <i>Environmental Science &amp; Technology</i> , <b>1997</b> , 31, 1578-1579	10.3	9

22	Dual-Mode Sorption of Low-Polarity Compounds in Glassy Poly(Vinyl Chloride) and Soil Organic Matter. <i>Environmental Science &amp; Technology</i> , <b>1997</b> , 31, 792-799	10.3	658
21	Mechanisms of Slow Sorption of Organic Chemicals to Natural Particles. <i>Environmental Science &amp; Technology</i> , <b>1996</b> , 30, 1-11	10.3	1389
20	Reduction of Perchloroalkanes by Ferrioxalate-Generated Carboxylate Radical Preceding Mineralization by the Photo-Fenton Reaction. <i>Environmental Science &amp; Technology</i> , <b>1996</b> , 30, 3457-3463	10.3	70
19	Competitive Sorption between Atrazine and Other Organic Compounds in Soils and Model Sorbents. <i>Environmental Science &amp; Technology</i> , <b>1996</b> , 30, 2432-2440	10.3	463
18	Complete oxidation of metolachlor and methyl parathion in water by the photoassisted Fenton reaction. <i>Water Research</i> , <b>1995</b> , 29, 1837-1844	12.5	114
17	Evidence for a surface dual hole-radical mechanism in the titanium dioxide photocatalytic oxidation of 2,4-D. <i>Environmental Science &amp; Technology</i> , <b>1995</b> , 29, 2065-72	10.3	140
16	Ferric Complexes as Catalysts for Biont Degradation of 2,4-D and Metolachlor in Soil. <i>Journal of Environmental Quality</i> , <b>1994</b> , 23, 365-370	3.4	79
15	Activation of hydrogen peroxide by iron(III) chelates for abiotic degradation of herbicides and insecticides in water. <i>Journal of Agricultural and Food Chemistry</i> , <b>1993</b> , 41, 308-312	5.7	108
14	Photochemical reactions involved in the total mineralization of 2,4-D by iron(3+)/hydrogen peroxide/UV. <i>Environmental Science &amp; Technology</i> , <b>1993</b> , 27, 304-310	10.3	500
13	Elution of aged and freshly added herbicides from a soil. <i>Environmental Science &amp; Technology</i> , <b>1993</b> , 27, 1563-1571	10.3	189
12	Organic intermediates in the degradation of 2,4-dichlorophenoxyacetic acid by iron(3+)/hydrogen peroxide and iron(3+)/hydrogen peroxide/UV. <i>Journal of Agricultural and Food Chemistry</i> , <b>1993</b> , 41, 1139-1142	5.7	55
11	Dark and photoassisted iron(3+)-catalyzed degradation of chlorophenoxy herbicides by hydrogen peroxide. <i>Environmental Science &amp; Technology</i> , <b>1992</b> , 26, 944-951	10.3	996
10	Chemical treatment of pesticide wastes. Evaluation of iron(III) chelates for catalytic hydrogen peroxide oxidation of 2,4-D at circumneutral pH. <i>Journal of Agricultural and Food Chemistry</i> , <b>1992</b> , 40, 322-327	5.7	244
9	Aversive responses of white-tailed deer, <i>Odocoileus virginianus</i> , to predator urines. <i>Journal of Chemical Ecology</i> , <b>1991</b> , 17, 767-77	2.7	63
8	Sorptive Reversibility of Atrazine and Metolachlor Residues in Field Soil Samples. <i>Journal of Environmental Quality</i> , <b>1991</b> , 20, 222-228	3.4	144
7	Field-observed ethylene dibromide in an aquifer after two decades. <i>Journal of Contaminant Hydrology</i> , <b>1990</b> , 5, 195-214	3.9	34
6	Improved Extraction of Atrazine and Metolachlor in Field Soil Samples. <i>Journal of the Association of Official Analytical Chemists</i> , <b>1990</b> , 73, 443-446		16
5	Persistence of 1,2-dibromoethane in soils: entrapment in intraparticle micropores. <i>Environmental Science &amp; Technology</i> , <b>1987</b> , 21, 1201-1208	10.3	427



4	Microbial Degradation of 1,2-Dibromoethane in Shallow Aquifer Materials. <i>Journal of Environmental Quality</i> , <b>1987</b> , 16, 307-312	3.4	16
3	Ethylene Dibromide Mineralization in Soils under Aerobic Conditions. <i>Applied and Environmental Microbiology</i> , <b>1986</b> , 51, 588-92	4.8	21
2	Structure-activity correlations among analogs of 4-methyl-3-heptanol, a pheromone component of the european elm bark beetle ( <i>Scolytus multistriatus</i> ). <i>Journal of Chemical Ecology</i> , <b>1983</b> , 9, 615-43	2.7	10
1	Autoxidation of transition-metal complexes. Reaction of a 1:1 cobalt-molecular oxygen complex with acids to yield hydrogen peroxide. Kinetics and mechanism. <i>Journal of the American Chemical Society</i> , <b>1979</b> , 101, 5929-5939	16.4	8