

# Paul G Tratnyek

## 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.

122  
papers

11,288  
citations

52  
h-index

106  
g-index

126  
ext. papers

12,377  
ext. citations

7.5  
avg, IF

6.45  
L-index

#	Paper	IF	Citations
122	Generation of Reactive Oxygen Species and Degradation of Pollutants in the Fe/O/Tripolyphosphate System: Regulated by the Concentration Ratio of Fe and Tripolyphosphate.. <i>Environmental Science &amp; Technology</i> , <b>2022</b> ,	10.3	2
121	Building toward the future in chemical and materials simulation with accessible and intelligently designed web applications. <i>Annual Reports in Computational Chemistry</i> , <b>2021</b> , 163-208	1.8	2
120	FeN(C)-Coated Microscale Zero-Valent Iron for Fast and Stable Trichloroethylene Dechlorination in both Acidic and Basic pH Conditions. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 5393-5402	10.3	9
119	Quantitative structure activity relationships (QSARs) and machine learning models for abiotic reduction of organic compounds by an aqueous Fe(II) complex. <i>Water Research</i> , <b>2021</b> , 192, 116843	12.5	8
118	Abiotic Transformation of Nitrobenzene by Zero Valent Iron under Aerobic Conditions: Relative Contributions of Reduction and Oxidation in the Presence of Ethylene Diamine Tetraacetic Acid. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 6828-6837	10.3	4
117	Fe(II) Redox Chemistry in the Environment. <i>Chemical Reviews</i> , <b>2021</b> , 121, 8161-8233	68.1	37
116	Sulfidation of Zero-Valent Iron by Direct Reaction with Elemental Sulfur in Water: Efficiencies, Mechanism, and Dechlorination of Trichloroethylene. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 645-654	10.3	17
115	Advances in metal(loid) oxyanion removal by zerovalent iron: Kinetics, pathways, and mechanisms. <i>Chemosphere</i> , <b>2021</b> , 280, 130766	8.4	10
114	Quantifying the efficiency and selectivity of organohalide dechlorination by zerovalent iron. <i>Environmental Sciences: Processes and Impacts</i> , <b>2020</b> , 22, 528-542	4.3	32
113	Role of complexation in the photochemical reduction of chromate by acetylacetone. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 400, 123306	12.8	9
112	Reduction of 1,2,3-trichloropropane (TCP): pathways and mechanisms from computational chemistry calculations. <i>Environmental Sciences: Processes and Impacts</i> , <b>2020</b> , 22, 606-616	4.3	4
111	Predicting Abiotic Reduction Rates Using Cryogenically Collected Soil Cores and Mediated Reduction Potential Measurements. <i>Environmental Science and Technology Letters</i> , <b>2020</b> , 7, 20-26	11	7
110	Enhanced Photooxidation of Hydroquinone by Acetylacetone, a Novel Photosensitizer and Electron Shuttle. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 11232-11239	10.3	10
109	Overlooked Role of Peroxides as Free Radical Precursors in Advanced Oxidation Processes. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 2054-2062	10.3	27
108	Unique Structural Characteristics of Catalytic Palladium/Gold Nanoparticles on Graphene. <i>Microscopy and Microanalysis</i> , <b>2019</b> , 25, 80-91	0.5	1
107	Effects of Sulfidation and Nitrate on the Reduction of -Nitrosodimethylamine by Zerovalent Iron. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 9744-9754	10.3	18
106	A Comparative Study of Carbon Supports for Pd/Au Nanoparticle-Based Catalysts. <i>Materials Performance and Characterization</i> , <b>2019</b> , 8, 20180147	0.5	

105	Electrochemical Characterization of Magnetite with Agarose-Stabilized Powder Disk Electrodes and Potentiometric Methods. <i>ACS Earth and Space Chemistry</i> , <b>2019</b> , 3, 688-699	3.2	3
104	Electrochemical characterization of natural organic matter by direct voltammetry in an aprotic solvent. <i>Environmental Sciences: Processes and Impacts</i> , <b>2019</b> , 21, 1664-1683	4.3	3
103	Dynamic interactions between sulfidated zerovalent iron and dissolved oxygen: Mechanistic insights for enhanced chromate removal. <i>Water Research</i> , <b>2018</b> , 135, 322-330	12.5	71
102	Sulfide-modified zerovalent iron for enhanced antimonite sequestration: Characterization, performance, and reaction mechanisms. <i>Chemical Engineering Journal</i> , <b>2018</b> , 338, 539-547	14.7	38
101	Nanoarchitecture of advanced core-shell zero-valent iron particles with controlled reactivity for contaminant removal. <i>Chemical Engineering Journal</i> , <b>2018</b> , 354, 335-345	14.7	24
100	Technetium Stabilization in Low-Solubility Sulfide Phases: A Review. <i>ACS Earth and Space Chemistry</i> , <b>2018</b> , 2, 532-547	3.2	27
99	Effect of Synthesis Time of Carbon Supported Pd/Au NPs on TCE degradation. <i>Microscopy and Microanalysis</i> , <b>2018</b> , 24, 1802-1803	0.5	
98	Electron Microscopy Characterization of the Synergistic Effects between Pd, Au NPs, and Their Graphene Support. <i>Microscopy and Microanalysis</i> , <b>2018</b> , 24, 1888-1889	0.5	1
97	Modeling the Kinetics of Hydrogen Formation by Zerovalent Iron: Effects of Sulfidation on Micro- and Nano-Scale Particles. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 13887-13896	10.3	39
96	In silico environmental chemical science: properties and processes from statistical and computational modelling. <i>Environmental Sciences: Processes and Impacts</i> , <b>2017</b> , 19, 188-202	4.3	16
95	Oxidation potentials of phenols and anilines: correlation analysis of electrochemical and theoretical values. <i>Environmental Sciences: Processes and Impacts</i> , <b>2017</b> , 19, 339-349	4.3	45
94	Mechanochemically Sulfidated Microscale Zero Valent Iron: Pathways, Kinetics, Mechanism, and Efficiency of Trichloroethylene Dechlorination. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 12653-12662	10.3	154
93	Sulfidation of Iron-Based Materials: A Review of Processes and Implications for Water Treatment and Remediation. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 13070-13085	10.3	198
92	Effect of Synthesis Temperature on the Formation of GAC supported Pd and Au NPs. <i>Microscopy and Microanalysis</i> , <b>2017</b> , 23, 1916-1917	0.5	2
91	Characterization of Palladium and Gold Nanoparticles on Granular Activated Carbon as an Efficient Catalyst for Hydrodechlorination of Trichloroethylene. <i>Microscopy and Microanalysis</i> , <b>2016</b> , 22, 332-333	0.5	4
90	Chemical Reactivity Probes for Assessing Abiotic Natural Attenuation by Reducing Iron Minerals. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 1868-76	10.3	34
89	Sequestration of Antimonite by Zerovalent Iron: Using Weak Magnetic Field Effects to Enhance Performance and Characterize Reaction Mechanisms. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 1483-91	10.3	63
88	Structure-Activity Relationships for Rates of Aromatic Amine Oxidation by Manganese Dioxide. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 5094-102	10.3	45

87	Selectivity of Nano Zerovalent Iron in In Situ Chemical Reduction: Challenges and Improvements. <i>Remediation</i> , <b>2016</b> , 26, 27-40	1.8	52
86	Effects of Sulfidation, Magnetization, and Oxygenation on Azo Dye Reduction by Zerovalent Iron. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 11879-11887	10.3	73
85	Sulfidation of Nano Zerovalent Iron (nZVI) for Improved Selectivity During In-Situ Chemical Reduction (ISCR). <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 9558-65	10.3	163
84	Methods for characterizing the fate and effects of nano zerovalent iron during groundwater remediation. <i>Journal of Contaminant Hydrology</i> , <b>2015</b> , 181, 17-35	3.9	71
83	Activation of Manganese Oxidants with Bisulfite for Enhanced Oxidation of Organic Contaminants: The Involvement of Mn(III). <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 12414-21	10.3	169
82	Field Deployable Chemical Redox Probe for Quantitative Characterization of Carboxymethylcellulose Modified Nano Zerovalent Iron. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 10589-97	10.3	31
81	Comment on "evaluation of the kinetic oxidation of aqueous volatile organic compounds by permanganate" by M. G. Mahmoodlu, S. M. Hassanizadeh, and N. Hartog, in <i>Science of the Total Environment</i> (2014) 485-486: 755-763. <i>Science of the Total Environment</i> , <b>2015</b> , 502, 722-3	10.2	3
80	Predicting reduction rates of energetic nitroaromatic compounds using calculated one-electron reduction potentials. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 3778-86	10.3	34
79	Effects of metal ions on the reactivity and corrosion electrochemistry of Fe/FeS nanoparticles. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 4002-11	10.3	62
78	Oxidative remobilization of technetium sequestered by sulfide-transformed nano zerovalent iron. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 7409-17	10.3	58
77	Novel Contaminant Transformation Pathways by Abiotic Reductants. <i>Environmental Science and Technology Letters</i> , <b>2014</b> , 1, 432-436	11	6
76	Coupled effects of aging and weak magnetic fields on sequestration of selenite by zero-valent iron. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 6326-34	10.3	113
75	IN SITU Chemical Reduction For Source Remediation <b>2014</b> , 307-351		3
74	Remediation of Trichloroethylene by FeS-Coated Iron Nanoparticles in Simulated and Real Groundwater: Effects of Water Chemistry. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2013</b> , 52, 9343-9350	3.9	109
73	Reductive sequestration of pertechnetate ( $TcO_4^-$ ) by nano zerovalent iron (nZVI) transformed by abiotic sulfide. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 5302-10	10.3	120
72	Disinfection of ballast water with iron activated persulfate. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 11717-25	10.3	86
71	Mechanisms and kinetics of alkaline hydrolysis of the energetic nitroaromatic compounds 2,4,6-trinitrotoluene (TNT) and 2,4-dinitroanisole (DNAN). <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 6790-8	10.3	31
70	Field-scale transport and transformation of carboxymethylcellulose-stabilized nano zero-valent iron. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 1573-80	10.3	164

69	Synthesis, Characterization, and Properties of Zero-Valent Iron Nanoparticles <b>2012</b> , 49-86		2
68	Evaluation of Zerovalent Zinc for Treatment of 1,2,3-Trichloropropane-Contaminated Groundwater: Laboratory and Field Assessment. <i>Ground Water Monitoring and Remediation</i> , <b>2012</b> , 32, 42-52	1.4	5
67	Reactivity of Fe/FeS nanoparticles: electrolyte composition effects on corrosion electrochemistry. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 12484-92	10.3	57
66	Effects of nano zero-valent iron on oxidation-reduction potential. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 1586-92	10.3	117
65	Introduction to Aquatic Redox Chemistry. <i>ACS Symposium Series</i> , <b>2011</b> , 1-14	0.4	7
64	Reactivity of Zerovalent Metals in Aquatic Media: Effects of Organic Surface Coatings. <i>ACS Symposium Series</i> , <b>2011</b> , 381-406	0.4	25
63	Effects of solution chemistry on the dechlorination of 1,2,3-trichloropropane by zero-valent zinc. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 4073-9	10.3	36
62	Recovery of iron/iron oxide nanoparticles from solution: comparison of methods and their effects. <i>Journal of Nanoparticle Research</i> , <b>2011</b> , 13, 1937-1952	2.3	32
61	Electrochemistry of Natural Organic Matter. <i>ACS Symposium Series</i> , <b>2011</b> , 129-151	0.4	5
60	One-Electron Reduction Potentials from Chemical Structure Theory Calculations. <i>ACS Symposium Series</i> , <b>2011</b> , 37-64	0.4	14
59	Degradation of 1,2,3-trichloropropane (TCP): hydrolysis, elimination, and reduction by iron and zinc. <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 787-93	10.3	61
58	Environmental Applications of Zerovalent Metals: Iron vs. Zinc. <i>ACS Symposium Series</i> , <b>2010</b> , 165-178	0.4	22
57	Response to Comment on Degradation of 1,2,3-Trichloropropane (TCP): Hydrolysis, Elimination, and Reduction by Iron and Zinc. <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 3198-3199	10.3	14
56	Redox behavior of magnetite: implications for contaminant reduction. <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 55-60	10.3	155
55	Free energies for degradation reactions of 1,2,3-trichloropropane from ab initio electronic structure theory. <i>Journal of Physical Chemistry A</i> , <b>2010</b> , 114, 12269-82	2.8	9
54	Natural organic matter enhanced mobility of nano zerovalent iron. <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 5455-60	10.3	204
53	Modeling the reductive dechlorination of polychlorinated dibenzo-p-dioxins: kinetics, pathway, and equivalent toxicity. <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 5327-32	10.3	15
52	Persulfate persistence under thermal activation conditions. <i>Environmental Science &amp; Technology</i> , <b>2008</b> , 42, 9350-6	10.3	323

51	One-electron-transfer reactions of polychlorinated ethylenes: concerted and stepwise cleavages. <i>Journal of Physical Chemistry A</i> , <b>2008</b> , 112, 3712-21	2.8	20
50	Rapid dechlorination of polychlorinated dibenzo-p-dioxins by bimetallic and nanosized zerovalent iron. <i>Environmental Science &amp; Technology</i> , <b>2008</b> , 42, 4106-12	10.3	119
49	Aging of Iron Nanoparticles in Aqueous Solution: Effects on Structure and Reactivity. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 2286-2293	3.8	183
48	Electrochemical studies of packed iron powder electrodes: Effects of common constituents of natural waters on corrosion potential. <i>Corrosion Science</i> , <b>2008</b> , 50, 144-154	6.8	35
47	Combined quantum mechanical and molecular mechanics studies of the electron-transfer reactions involving carbon tetrachloride in solution. <i>Journal of Physical Chemistry A</i> , <b>2008</b> , 112, 2713-20	2.8	36
46	Oxidation of chlorinated ethenes by heat-activated persulfate: kinetics and products. <i>Environmental Science &amp; Technology</i> , <b>2007</b> , 41, 1010-5	10.3	525
45	Nanotechnologies for environmental cleanup. <i>Nano Today</i> , <b>2006</b> , 1, 44-48	17.9	573
44	Kinetics of contaminant degradation by permanganate. <i>Environmental Science &amp; Technology</i> , <b>2006</b> , 40, 1055-61	10.3	244
43	Reduction of 2,4,6-trinitrotoluene by iron metal: kinetic controls on product distributions in batch experiments. <i>Environmental Science &amp; Technology</i> , <b>2005</b> , 39, 230-8	10.3	51
42	Ab initio electronic structure study of one-electron reduction of polychlorinated ethylenes. <i>Journal of Physical Chemistry A</i> , <b>2005</b> , 109, 5905-16	2.8	10
41	Characterization and properties of metallic iron nanoparticles: spectroscopy, electrochemistry, and kinetics. <i>Environmental Science &amp; Technology</i> , <b>2005</b> , 39, 1221-30	10.3	797
40	Central limit theorem for chemical kinetics in complex systems. <i>Journal of Mathematical Chemistry</i> , <b>2005</b> , 37, 409-422	2.1	10
39	The Energetics of the Hydrogenolysis, Dehydrohalogenation, and Hydrolysis of 4,4-Dichloro-diphenyl-trichloroethane from ab Initio Electronic Structure Theory. <i>Journal of Physical Chemistry A</i> , <b>2004</b> , 108, 5883-5893	2.8	12
38	Applicability of Single-Site Rate Equations for Reactions on Inhomogeneous Surfaces. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2004</b> , 43, 1615-1622	3.9	14
37	Packed Powder Electrodes for Characterizing the Reactivity of Granular Iron in Borate Solutions. <i>Journal of the Electrochemical Society</i> , <b>2004</b> , 151, B347	3.9	22
36	Diversity of contaminant reduction reactions by zerovalent iron: role of the reductate. <i>Environmental Science &amp; Technology</i> , <b>2004</b> , 38, 139-47	10.3	160
35	Quantitative structure-activity relationships for chemical reductions of organic contaminants. <i>Environmental Toxicology and Chemistry</i> , <b>2003</b> , 22, 1733-42	3.8	49
34	Quantitative structure-activity relationships for oxidation reactions of organic chemicals in water. <i>Environmental Toxicology and Chemistry</i> , <b>2003</b> , 22, 1743-54	3.8	89

33	Keeping Up with All That Literature: The IronRefs Database Turns 500. <i>Ground Water Monitoring and Remediation</i> , <b>2002</b> , 22, 92-94	1.4	10
32	One-Electron Reduction of Substituted Chlorinated Methanes As Determined from ab Initio Electronic Structure Theory. <i>Journal of Physical Chemistry A</i> , <b>2002</b> , 106, 11581-11593	2.8	21
31	Evidence for Localization of Reaction upon Reduction of Carbon Tetrachloride by Granular Iron. <i>Langmuir</i> , <b>2002</b> , 18, 7688-7693	4	37
30	Effects of carbonate species on the kinetics of dechlorination of 1,1,1-trichloroethane by zero-valent iron. <i>Environmental Science &amp; Technology</i> , <b>2002</b> , 36, 4326-33	10.3	140
29	Electrochemical properties of natural organic matter (NOM), fractions of NOM, and model biogeochemical electron shuttles. <i>Environmental Science &amp; Technology</i> , <b>2002</b> , 36, 617-24	10.3	171
28	Discussion on Electrochemical and Raman spectroscopic studies of the influence of chlorinated solvents on the corrosion behaviour of iron in borate buffer and in simulated groundwater [Corrosion Science 42 (2000) 1921-1939]. <i>Corrosion Science</i> , <b>2002</b> , 44, 1151-1157	6.8	7
27	Visualizing Redox Chemistry: Probing Environmental Oxidation/Reduction Reactions with Indicator Dyes. <i>The Chemical Educator</i> , <b>2001</b> , 6, 172-179		58
26	A Discovery-Based Experiment Illustrating How Iron Metal Is Used to Remediate Contaminated Groundwater. <i>Journal of Chemical Education</i> , <b>2001</b> , 78, 1661	2.4	5
25	Effects of natural organic matter, anthropogenic surfactants, and model quinones on the reduction of contaminants by zero-valent iron. <i>Water Research</i> , <b>2001</b> , 35, 4435-43	12.5	179
24	Substituent effects on azo dye oxidation by the Fe(III)-EDTA-H <sub>2</sub> O <sub>2</sub> system. <i>Chemosphere</i> , <b>2001</b> , 45, 59-65	8.4	85
23	Mass transport effects on the kinetics of nitrobenzene reduction by iron metal. <i>Environmental Science &amp; Technology</i> , <b>2001</b> , 35, 2804-11	10.3	99
22	Reduction of azo dyes with zero-valent iron. <i>Water Research</i> , <b>2000</b> , 34, 1837-1845	12.5	336
21	Hydrolysis of tert-butyl formate: Kinetics, products, and implications for the environmental impact of methyl tert-butyl ether. <i>Environmental Toxicology and Chemistry</i> , <b>1999</b> , 18, 2789-2796	3.8	32
20	Molecular Probe Techniques for the Identification of Reductants in Sediments: Evidence for Reduction of 2-Chloroacetophenone by Hydride Transfer. <i>Environmental Science &amp; Technology</i> , <b>1999</b> , 33, 440-445	10.3	17
19	The Role of Oxides in Reduction Reactions at the Metal-Water Interface. <i>ACS Symposium Series</i> , <b>1999</b> , 301-322	0.4	65
18	Fate of MTBE Relative to Benzene in a Gasoline-Contaminated Aquifer (1993/98). <i>Ground Water Monitoring and Remediation</i> , <b>1998</b> , 18, 93-102	1.4	60
17	Degradation of carbon tetrachloride by iron metal: Complexation effects on the oxide surface. <i>Journal of Contaminant Hydrology</i> , <b>1998</b> , 29, 379-398	3.9	152
16	Photoeffects on the Reduction of Carbon Tetrachloride by Zero-Valent Iron. <i>Journal of Physical Chemistry B</i> , <b>1998</b> , 102, 1459-1465	3.4	98

15	Correlation Analysis of Rate Constants for Dechlorination by Zero-Valent Iron. <i>Environmental Science &amp; Technology</i> , <b>1998</b> , 32, 3026-3033	10.3	143
14	Kinetics of Carbon Tetrachloride Reduction at an Oxide-Free Iron Electrode. <i>Environmental Science &amp; Technology</i> , <b>1997</b> , 31, 2385-2391	10.3	110
13	Method for Determination of Methyl tert-Butyl Ether and Its Degradation Products in Water. <i>Environmental Science &amp; Technology</i> , <b>1997</b> , 31, 3723-3726	10.3	65
12	Remediating Ground Water with Zero-Valent Metals: Chemical Considerations in Barrier Design. <i>Ground Water Monitoring and Remediation</i> , <b>1997</b> , 17, 108-114	1.4	90
11	Kinetics of Halogenated Organic Compound Degradation by Iron Metal. <i>Environmental Science &amp; Technology</i> , <b>1996</b> , 30, 2634-2640	10.3	592
10	Reduction of Nitro Aromatic Compounds by Zero-Valent Iron Metal. <i>Environmental Science &amp; Technology</i> , <b>1996</b> , 30, 153-160	10.3	588
9	Photo-oxidation of 2,4,6-trimethylphenol in aqueous laboratory solutions and natural waters: kinetics of reaction with singlet oxygen. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>1994</b> , 84, 153-160	4.7	51
8	Photoeffects of textile dye wastewaters: Sensitization of singlet oxygen formation, oxidation of phenols and toxicity to bacteria. <i>Environmental Toxicology and Chemistry</i> , <b>1994</b> , 13, 27-33	3.8	23
7	Reductive dehalogenation of chlorinated methanes by iron metal. <i>Environmental Science &amp; Technology</i> , <b>1994</b> , 28, 2045-53	10.3	1134
6	Kinetics of reactions of chlorine dioxide (OCIO) in waterII. Quantitative structure-activity relationships for phenolic compounds. <i>Water Research</i> , <b>1994</b> , 28, 57-66	12.5	75
5	Oxidation and Acidification of Anaerobic Sediment-Water Systems by Autoclaving. <i>Journal of Environmental Quality</i> , <b>1993</b> , 22, 375-378	3.4	11
4	Oxidation of substituted phenols in the environment: a QSAR analysis of rate constants for reaction with singlet oxygen. <i>Environmental Science &amp; Technology</i> , <b>1991</b> , 25, 1596-1604	10.3	244
3	Characterization of the reducing properties of anaerobic sediment slurries using redox indicators. <i>Environmental Toxicology and Chemistry</i> , <b>1990</b> , 9, 289-295	3.8	23
2	Abiotic reduction of nitro aromatic pesticides in anaerobic laboratory systems. <i>Journal of Agricultural and Food Chemistry</i> , <b>1989</b> , 37, 248-254	5.7	93
1	Abiotic reduction reactions of anthropogenic organic chemicals in anaerobic systems: A critical review. <i>Journal of Contaminant Hydrology</i> , <b>1986</b> , 1, 1-28	3.9	100