

Paul G Tratnyek

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1829757/publications.pdf>

Version: 2024-02-01

125
papers

13,856
citations

28736

57
h-index

23173

116
g-index

126
all docs

126
docs citations

126
times ranked

9182
citing authors

#	ARTICLE	IF	CITATIONS
1	Generation of Reactive Oxygen Species and Degradation of Pollutants in the Fe ²⁺ /O ₂ /Tripolyphosphate System: Regulated by the Concentration Ratio of Fe ²⁺ and Tripolyphosphate. <i>Environmental Science & Technology</i> , 2022, 56, 4367-4376.	4.6	33
2	Sulfidation of Zero-Valent Iron by Direct Reaction with Elemental Sulfur in Water: Efficiencies, Mechanism, and Dechlorination of Trichloroethylene. <i>Environmental Science & Technology</i> , 2021, 55, 645-654.	4.6	69
3	FeN _X (C)-Coated Microscale Zero-Valent Iron for Fast and Stable Trichloroethylene Dechlorination in both Acidic and Basic pH Conditions. <i>Environmental Science & Technology</i> , 2021, 55, 5393-5402.	4.6	49
4	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> , 2021, 192, 116843.	5.3	24
5	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 & Technology</i> , 2021, 55, 6828-6837.	4.6	17
6	Fe(II) Redox Chemistry in the Environment. <i>Chemical Reviews</i> , 2021, 121, 8161-8233.	23.0	242
7	Advances in metal(loid) oxyanion removal by zerovalent iron: Kinetics, pathways, and mechanisms. <i>Chemosphere</i> , 2021, 280, 130766.	4.2	37
8	Building toward the future in chemical and materials simulation with accessible and intelligently designed web applications. <i>Annual Reports in Computational Chemistry</i> , 2021, , 163-208.	0.9	5
9	Predicting Abiotic Reduction Rates Using Cryogenically Collected Soil Cores and Mediated Reduction Potential Measurements. <i>Environmental Science and Technology Letters</i> , 2020, 7, 20-26.	3.9	10
10	Environmental occurrence, fate, effects, and remediation of halogenated (semi)volatile organic compounds. <i>Environmental Sciences: Processes and Impacts</i> , 2020, 22, 465-471.	1.7	11
11	Quantifying the efficiency and selectivity of organohalide dechlorination by zerovalent iron. <i>Environmental Sciences: Processes and Impacts</i> , 2020, 22, 528-542.	1.7	51
12	Role of complexation in the photochemical reduction of chromate by acetylacetone. <i>Journal of Hazardous Materials</i> , 2020, 400, 123306.	6.5	15
13	Reduction of 1,2,3-trichloropropane (TCP): pathways and mechanisms from computational chemistry calculations. <i>Environmental Sciences: Processes and Impacts</i> , 2020, 22, 606-616.	1.7	10
14	Effects of Sulfidation and Nitrate on the Reduction of <i>N</i> -Nitrosodimethylamine by Zerovalent Iron. <i>Environmental Science & Technology</i> , 2019, 53, 9744-9754.	4.6	38
15	Enhanced Photooxidation of Hydroquinone by Acetylacetone, a Novel Photosensitizer and Electron Shuttle. <i>Environmental Science & Technology</i> , 2019, 53, 11232-11239.	4.6	16
16	Overlooked Role of Peroxides as Free Radical Precursors in Advanced Oxidation Processes. <i>Environmental Science & Technology</i> , 2019, 53, 2054-2062.	4.6	48
17	Unique Structural Characteristics of Catalytic Palladium/Gold Nanoparticles on Graphene. <i>Microscopy and Microanalysis</i> , 2019, 25, 80-91.	0.2	3
18	Electrochemical Characterization of Magnetite with Agarose-Stabilized Powder Disk Electrodes and Potentiometric Methods. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 688-699.	1.2	11

#	ARTICLE	IF	CITATIONS
19	Electrochemical characterization of natural organic matter by direct voltammetry in an aprotic solvent. <i>Environmental Sciences: Processes and Impacts</i> , 2019, 21, 1664-1683.	1.7	9
20	A Comparative Study of Carbon Supports for Pd/Au Nanoparticle-Based Catalysts. <i>Materials Performance and Characterization</i> , 2019, 8, 20180147.	0.2	0
21	Dynamic interactions between sulfidated zerovalent iron and dissolved oxygen: Mechanistic insights for enhanced chromate removal. <i>Water Research</i> , 2018, 135, 322-330.	5.3	109
22	Sulfide-modified zerovalent iron for enhanced antimonite sequestration: Characterization, performance, and reaction mechanisms. <i>Chemical Engineering Journal</i> , 2018, 338, 539-547.	6.6	63
23	Electron Microscopy Characterization of the Synergistic Effects between Pd, Au NPs, and Their Graphene Support. <i>Microscopy and Microanalysis</i> , 2018, 24, 1888-1889.	0.2	1
24	Modeling the Kinetics of Hydrogen Formation by Zerovalent Iron: Effects of Sulfidation on Micro- and Nano-Scale Particles. <i>Environmental Science & Technology</i> , 2018, 52, 13887-13896.	4.6	58
25	Planetary Health thematic web collection. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 744-745.	1.7	0
26	Nanoarchitecture of advanced core-shell zero-valent iron particles with controlled reactivity for contaminant removal. <i>Chemical Engineering Journal</i> , 2018, 354, 335-345.	6.6	30
27	Tchnetium Stabilization in Low-Solubility Sulfide Phases: A Review. <i>ACS Earth and Space Chemistry</i> , 2018, 2, 532-547.	1.2	36
28	Effect of Synthesis Time of Carbon Supported Pd/Au NPs on TCE degradation. <i>Microscopy and Microanalysis</i> , 2018, 24, 1802-1803.	0.2	0
29	In silico environmental chemical science: properties and processes from statistical and computational modelling. <i>Environmental Sciences: Processes and Impacts</i> , 2017, 19, 188-202.	1.7	24
30	Oxidation potentials of phenols and anilines: correlation analysis of electrochemical and theoretical values. <i>Environmental Sciences: Processes and Impacts</i> , 2017, 19, 339-349.	1.7	65
31	QSARs and computational chemistry methods in environmental chemical sciences. <i>Environmental Sciences: Processes and Impacts</i> , 2017, 19, 185-187.	1.7	6
32	Mechanochemically Sulfidated Microscale Zero Valent Iron: Pathways, Kinetics, Mechanism, and Efficiency of Trichloroethylene Dechlorination. <i>Environmental Science & Technology</i> , 2017, 51, 12653-12662.	4.6	262
33	Sulfidation of Iron-Based Materials: A Review of Processes and Implications for Water Treatment and Remediation. <i>Environmental Science & Technology</i> , 2017, 51, 13070-13085.	4.6	321
34	Effect of Synthesis Temperature on the Formation of GAC supported Pd and Au NPs. <i>Microscopy and Microanalysis</i> , 2017, 23, 1916-1917.	0.2	2
35	Structure-Activity Relationships for Rates of Aromatic Amine Oxidation by Manganese Dioxide. <i>Environmental Science & Technology</i> , 2016, 50, 5094-5102.	4.6	57
36	Selectivity of Nano Zerovalent Iron in <i>In Situ</i> Chemical Reduction: Challenges and Improvements. <i>Remediation</i> , 2016, 26, 27-40.	1.1	60

#	ARTICLE	IF	CITATIONS
37	Effects of Sulfidation, Magnetization, and Oxygenation on Azo Dye Reduction by Zerovalent Iron. <i>Environmental Science & Technology</i> , 2016, 50, 11879-11887.	4.6	106
38	Sulfidation of Nano Zerovalent Iron (nZVI) for Improved Selectivity During In-Situ Chemical Reduction (ISCR). <i>Environmental Science & Technology</i> , 2016, 50, 9558-9565.	4.6	242
39	Characterization of Palladium and Gold Nanoparticles on Granular Activated Carbon as an Efficient Catalyst for Hydrodechlorination of Trichloroethylene. <i>Microscopy and Microanalysis</i> , 2016, 22, 332-333.	0.2	4
40	Chemical Reactivity Probes for Assessing Abiotic Natural Attenuation by Reducing Iron Minerals. <i>Environmental Science & Technology</i> , 2016, 50, 1868-1876.	4.6	49
41	Sequestration of Antimonite by Zerovalent Iron: Using Weak Magnetic Field Effects to Enhance Performance and Characterize Reaction Mechanisms. <i>Environmental Science & Technology</i> , 2016, 50, 1483-1491.	4.6	81
42	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> , 2015, 502, 722-723.	3.9	5
43	Predicting Reduction Rates of Energetic Nitroaromatic Compounds Using Calculated One-Electron Reduction Potentials. <i>Environmental Science & Technology</i> , 2015, 49, 3778-3786.	4.6	46
44	Methods for characterizing the fate and effects of nano zerovalent iron during groundwater remediation. <i>Journal of Contaminant Hydrology</i> , 2015, 181, 17-35.	1.6	87
45	Activation of Manganese Oxidants with Bisulfite for Enhanced Oxidation of Organic Contaminants: The Involvement of Mn(III). <i>Environmental Science & Technology</i> , 2015, 49, 12414-12421.	4.6	238
46	Field Deployable Chemical Redox Probe for Quantitative Characterization of Carboxymethylcellulose Modified Nano Zerovalent Iron. <i>Environmental Science & Technology</i> , 2015, 49, 10589-10597.	4.6	40
47	Effects of Metal Ions on the Reactivity and Corrosion Electrochemistry of Fe/FeS Nanoparticles. <i>Environmental Science & Technology</i> , 2014, 48, 4002-4011.	4.6	86
48	Oxidative Remobilization of Technetium Sequestered by Sulfide-Transformed Nano Zerovalent Iron. <i>Environmental Science & Technology</i> , 2014, 48, 7409-7417.	4.6	73
49	Novel Contaminant Transformation Pathways by Abiotic Reductants. <i>Environmental Science and Technology Letters</i> , 2014, 1, 432-436.	3.9	7
50	Coupled Effects of Aging and Weak Magnetic Fields on Sequestration of Selenite by Zero-Valent Iron. <i>Environmental Science & Technology</i> , 2014, 48, 6326-6334.	4.6	139
51	IN SITU Chemical Reduction For Source Remediation. , 2014, , 307-351.		6
52	Remediation of Trichloroethylene by FeS-Coated Iron Nanoparticles in Simulated and Real Groundwater: Effects of Water Chemistry. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 9343-9350.	1.8	134
53	Reductive Sequestration of Pertechnetate ($^{99}\text{TcO}_4^-$) by Nano Zerovalent Iron (nZVI) Transformed by Abiotic Sulfide. <i>Environmental Science & Technology</i> , 2013, 47, 5302-5310.	4.6	162
54	Disinfection of Ballast Water with Iron Activated Persulfate. <i>Environmental Science & Technology</i> , 2013, 47, 11717-11725.	4.6	102

#	ARTICLE	IF	CITATIONS
55	Mechanisms and Kinetics of Alkaline Hydrolysis of the Energetic Nitroaromatic Compounds 2,4,6-Trinitrotoluene (TNT) and 2,4-Dinitroanisole (DNAN). <i>Environmental Science & Technology</i> , 2013, 47, 6790-6798.	4.6	37
56	Field-Scale Transport and Transformation of Carboxymethylcellulose-Stabilized Nano Zero-Valent Iron. <i>Environmental Science & Technology</i> , 2013, 47, 1573-1580.	4.6	182
57	Synthesis, Characterization, and Properties of Zero-Valent Iron Nanoparticles. , 2012, , 49-86.		4
58	Evaluation of Zerovalent Zinc for Treatment of 1,2,3-Trichloropropane Contaminated Groundwater: Laboratory and Field Assessment. <i>Ground Water Monitoring and Remediation</i> , 2012, 32, 42-52.	0.6	7
59	Reactivity of Fe/FeS Nanoparticles: Electrolyte Composition Effects on Corrosion Electrochemistry. <i>Environmental Science & Technology</i> , 2012, 46, 12484-12492.	4.6	77
60	Effects of Nano Zero-Valent Iron on Oxidation-Reduction Potential. <i>Environmental Science & Technology</i> , 2011, 45, 1586-1592.	4.6	139
61	Introduction to Aquatic Redox Chemistry. <i>ACS Symposium Series</i> , 2011, , 1-14.	0.5	16
62	Reactivity of Zerovalent Metals in Aquatic Media: Effects of Organic Surface Coatings. <i>ACS Symposium Series</i> , 2011, , 381-406.	0.5	28
63	Effects of Solution Chemistry on the Dechlorination of 1,2,3-Trichloropropane by Zero-Valent Zinc. <i>Environmental Science & Technology</i> , 2011, 45, 4073-4079.	4.6	45
64	Recovery of iron/iron oxide nanoparticles from solution: comparison of methods and their effects. <i>Journal of Nanoparticle Research</i> , 2011, 13, 1937-1952.	0.8	33
65	Electrochemistry of Natural Organic Matter. <i>ACS Symposium Series</i> , 2011, , 129-151.	0.5	7
66	One-Electron Reduction Potentials from Chemical Structure Theory Calculations. <i>ACS Symposium Series</i> , 2011, , 37-64.	0.5	14
67	Degradation of 1,2,3-Trichloropropane (TCP): Hydrolysis, Elimination, and Reduction by Iron and Zinc. <i>Environmental Science & Technology</i> , 2010, 44, 787-793.	4.6	74
68	Environmental Applications of Zerovalent Metals: Iron vs. Zinc. <i>ACS Symposium Series</i> , 2010, , 165-178.	0.5	23
69	Response to Comment on "Degradation of 1,2,3-Trichloropropane (TCP): Hydrolysis, Elimination, and Reduction by Iron and Zinc". <i>Environmental Science & Technology</i> , 2010, 44, 3198-3199.	4.6	16
70	Redox Behavior of Magnetite: Implications for Contaminant Reduction. <i>Environmental Science & Technology</i> , 2010, 44, 55-60.	4.6	195
71	Free Energies for Degradation Reactions of 1,2,3-Trichloropropane from ab Initio Electronic Structure Theory. <i>Journal of Physical Chemistry A</i> , 2010, 114, 12269-12282.	1.1	10
72	Natural Organic Matter Enhanced Mobility of Nano Zerovalent Iron. <i>Environmental Science & Technology</i> , 2009, 43, 5455-5460.	4.6	222

#	ARTICLE	IF	CITATIONS
73	Modeling the Reductive Dechlorination of Polychlorinated Dibenzo- <i>p</i> -Dioxins: Kinetics, Pathway, and Equivalent Toxicity. <i>Environmental Science & Technology</i> , 2009, 43, 5327-5332.	4.6	18
74	Persulfate Persistence under Thermal Activation Conditions. <i>Environmental Science & Technology</i> , 2008, 42, 9350-9356.	4.6	401
75	One-Electron-Transfer Reactions of Polychlorinated Ethylenes: Concerted and Stepwise Cleavages. <i>Journal of Physical Chemistry A</i> , 2008, 112, 3712-3721.	1.1	24
76	Rapid Dechlorination of Polychlorinated Dibenzo- <i>p</i> -dioxins by Bimetallic and Nanosized Zerovalent Iron. <i>Environmental Science & Technology</i> , 2008, 42, 4106-4112.	4.6	131
77	Aging of Iron Nanoparticles in Aqueous Solution: Effects on Structure and Reactivity. <i>Journal of Physical Chemistry C</i> , 2008, 112, 2286-2293.	1.5	209
78	Electrochemical studies of packed iron powder electrodes: Effects of common constituents of natural waters on corrosion potential. <i>Corrosion Science</i> , 2008, 50, 144-154.	3.0	42
79	Combined Quantum Mechanical and Molecular Mechanics Studies of the Electron-Transfer Reactions Involving Carbon Tetrachloride in Solution. <i>Journal of Physical Chemistry A</i> , 2008, 112, 2713-2720.	1.1	36
80	Oxidation of Chlorinated Ethenes by Heat-Activated Persulfate: Kinetics and Products. <i>Environmental Science & Technology</i> , 2007, 41, 1010-1015.	4.6	650
81	Nanotechnologies for environmental cleanup. <i>Nano Today</i> , 2006, 1, 44-48.	6.2	665
82	Kinetics of Contaminant Degradation by Permanganate. <i>Environmental Science & Technology</i> , 2006, 40, 1055-1061.	4.6	302
83	Characterization and Properties of Metallic Iron Nanoparticles: Spectroscopy, Electrochemistry, and Kinetics. <i>Environmental Science & Technology</i> , 2005, 39, 1221-1230.	4.6	865
84	Central limit theorem for chemical kinetics in complex systems. <i>Journal of Mathematical Chemistry</i> , 2005, 37, 409-422.	0.7	10
85	Reduction of 2,4,6-Trinitrotoluene by Iron Metal: Kinetic Controls on Product Distributions in Batch Experiments. <i>Environmental Science & Technology</i> , 2005, 39, 230-238.	4.6	60
86	Ab Initio Electronic Structure Study of One-Electron Reduction of Polychlorinated Ethylenes. <i>Journal of Physical Chemistry A</i> , 2005, 109, 5905-5916.	1.1	12
87	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> , 2004, 108, 5883-5893.	1.1	12
88	Applicability of Single-Site Rate Equations for Reactions on Inhomogeneous Surfaces. <i>Industrial & Engineering Chemistry Research</i> , 2004, 43, 1615-1622.	1.8	16
89	Packed Powder Electrodes for Characterizing the Reactivity of Granular Iron in Borate Solutions. <i>Journal of the Electrochemical Society</i> , 2004, 151, B347.	1.3	26
90	Diversity of Contaminant Reduction Reactions by Zerovalent Iron: Role of the Reductate. <i>Environmental Science & Technology</i> , 2004, 38, 139-147.	4.6	175

#	ARTICLE	IF	CITATIONS
91	QUANTITATIVE STRUCTURE-ACTIVITY RELATIONSHIPS FOR CHEMICAL REDUCTIONS OF ORGANIC CONTAMINANTS. <i>Environmental Toxicology and Chemistry</i> , 2003, 22, 1733.	2.2	57
92	QUANTITATIVE STRUCTURE-ACTIVITY RELATIONSHIPS FOR OXIDATION REACTIONS OF ORGANIC CHEMICALS IN WATER. <i>Environmental Toxicology and Chemistry</i> , 2003, 22, 1743.	2.2	101
93	One-Electron Reduction of Substituted Chlorinated Methanes As Determined from ab Initio Electronic Structure Theory. <i>Journal of Physical Chemistry A</i> , 2002, 106, 11581-11593.	1.1	21
94	Evidence for Localization of Reaction upon Reduction of Carbon Tetrachloride by Granular Iron. <i>Langmuir</i> , 2002, 18, 7688-7693.	1.6	39
95	Effects of Carbonate Species on the Kinetics of Dechlorination of 1,1,1-Trichloroethane by Zero-Valent Iron. <i>Environmental Science & Technology</i> , 2002, 36, 4326-4333.	4.6	150
96	Electrochemical Properties of Natural Organic Matter (NOM), Fractions of NOM, and Model Biogeochemical Electron Shuttles. <i>Environmental Science & Technology</i> , 2002, 36, 617-624.	4.6	199
97	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> , 2002, 44, 1151-1157.	3.0	8
98	Keeping Up with All That Literature: The IronRefs Database Turns 500. <i>Ground Water Monitoring and Remediation</i> , 2002, 22, 92-94.	0.6	10
99	A Discovery-Based Experiment Illustrating How Iron Metal Is Used to Remediate Contaminated Groundwater. <i>Journal of Chemical Education</i> , 2001, 78, 1661.	1.1	5
100	Effects of Natural Organic Matter, Anthropogenic Surfactants, and Model Quinones on the Reduction of Contaminants by Zero-Valent Iron. <i>Water Research</i> , 2001, 35, 4435-4443.	5.3	192
101	Substituent effects on azo dye oxidation by the Fe(III)-EDTA-H ₂ O ₂ system. <i>Chemosphere</i> , 2001, 45, 59-65.	4.2	99
102	Mass Transport Effects on the Kinetics of Nitrobenzene Reduction by Iron Metal. <i>Environmental Science & Technology</i> , 2001, 35, 2804-2811.	4.6	110
103	Visualizing Redox Chemistry: Probing Environmental Oxidation-Reduction Reactions with Indicator Dyes. <i>The Chemical Educator</i> , 2001, 6, 172-179.	0.0	68
104	Reduction of azo dyes with zero-valent iron. <i>Water Research</i> , 2000, 34, 1837-1845.	5.3	380
105	Hydrolysis of <i>tert</i> -butyl formate: Kinetics, products, and implications for the environmental impact of methyl <i>tert</i> -butyl ether. <i>Environmental Toxicology and Chemistry</i> , 1999, 18, 2789-2796.	2.2	35
106	Molecular Probe Techniques for the Identification of Reductants in Sediments: Evidence for Reduction of 2-Chloroacetophenone by Hydride Transfer. <i>Environmental Science & Technology</i> , 1999, 33, 440-445.	4.6	18
107	The Role of Oxides in Reduction Reactions at the Metal-Water Interface. <i>ACS Symposium Series</i> , 1999, , 301-322.	0.5	83
108	Fate of MTBE Relative to Benzene in a Gasoline-Contaminated Aquifer (1993-98). <i>Ground Water Monitoring and Remediation</i> , 1998, 18, 93-102.	0.6	81

#	ARTICLE	IF	CITATIONS
109	Degradation of carbon tetrachloride by iron metal: Complexation effects on the oxide surface. <i>Journal of Contaminant Hydrology</i> , 1998, 29, 379-398.	1.6	176
110	Photoeffects on the Reduction of Carbon Tetrachloride by Zero-Valent Iron. <i>Journal of Physical Chemistry B</i> , 1998, 102, 1459-1465.	1.2	115
111	Correlation Analysis of Rate Constants for Dechlorination by Zero-Valent Iron. <i>Environmental Science & Technology</i> , 1998, 32, 3026-3033.	4.6	161
112	Kinetics of Carbon Tetrachloride Reduction at an Oxide-Free Iron Electrode. <i>Environmental Science & Technology</i> , 1997, 31, 2385-2391.	4.6	117
113	Method for Determination of Methyltert-Butyl Ether and Its Degradation Products in Water. <i>Environmental Science & Technology</i> , 1997, 31, 3723-3726.	4.6	74
114	Remediating Ground Water with Zero-Valent Metals: Chemical Considerations in Barrier Design. <i>Ground Water Monitoring and Remediation</i> , 1997, 17, 108-114.	0.6	98
115	Kinetics of Halogenated Organic Compound Degradation by Iron Metal. <i>Environmental Science & Technology</i> , 1996, 30, 2634-2640.	4.6	639
116	Reduction of Nitro Aromatic Compounds by Zero-Valent Iron Metal. <i>Environmental Science & Technology</i> , 1996, 30, 153-160.	4.6	672
117	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> , 1994, 84, 153-160.	2.0	56
118	Photoeffects of textile dye wastewaters: Sensitization of singlet oxygen formation, oxidation of phenols and toxicity to bacteria. <i>Environmental Toxicology and Chemistry</i> , 1994, 13, 27-33.	2.2	29
119	Reductive Dehalogenation of Chlorinated Methanes by Iron Metal. <i>Environmental Science & Technology</i> , 1994, 28, 2045-2053.	4.6	1,257
120	Kinetics of reactions of chlorine dioxide (OCIO) in water ¹¹ . Quantitative structure-activity relationships for phenolic compounds. <i>Water Research</i> , 1994, 28, 57-66.	5.3	88
121	Oxidation and Acidification of Anaerobic Sediment-Water Systems by Autoclaving. <i>Journal of Environmental Quality</i> , 1993, 22, 375-378.	1.0	11
122	Oxidation of substituted phenols in the environment: a QSAR analysis of rate constants for reaction with singlet oxygen. <i>Environmental Science & Technology</i> , 1991, 25, 1596-1604.	4.6	289
123	Characterization of the reducing properties of anaerobic sediment slurries using redox indicators. <i>Environmental Toxicology and Chemistry</i> , 1990, 9, 289-295.	2.2	25
124	Abiotic reduction of nitro aromatic pesticides in anaerobic laboratory systems. <i>Journal of Agricultural and Food Chemistry</i> , 1989, 37, 248-254.	2.4	99
125	Abiotic reduction reactions of anthropogenic organic chemicals in anaerobic systems: A critical review. <i>Journal of Contaminant Hydrology</i> , 1986, 1, 1-28.	1.6	111