

Peter R Tentscher

List of Publications by Year in descending order

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14
papers

550
citations

759233

12
h-index

1058476

14
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14
all docs

14
docs citations

14
times ranked

801
citing authors

#	ARTICLE	IF	CITATIONS
1	Ozonation of <i>Para</i> -Substituted Phenolic Compounds Yields <i>p</i> -Benzoquinones, Other Cyclic \dot{I}^{\pm} , \dot{I}^2 -Unsaturated Ketones, and Substituted Catechols. <i>Environmental Science & Technology</i> , 2018, 52, 4763-4773.	10.0	91
2	Carbon, Hydrogen, and Nitrogen Isotope Fractionation During Light-Induced Transformations of Atrazine. <i>Environmental Science & Technology</i> , 2008, 42, 7751-7756.	10.0	78
3	Reactivity of BrCl, Br ₂ , BrOCl, Br ₂ O, and HOBr Toward Dimethenamid in Solutions of Bromide + Aqueous Free Chlorine. <i>Environmental Science & Technology</i> , 2013, 47, 1330-1338.	10.0	75
4	Aqueous Oxidation of Sulfonamide Antibiotics: Aromatic Nucleophilic Substitution of an Aniline Radical Cation. <i>Chemistry - A European Journal</i> , 2013, 19, 11216-11223.	3.3	56
5	Micropollutant Oxidation Studied by Quantum Chemical Computations: Methodology and Applications to Thermodynamics, Kinetics, and Reaction Mechanisms. <i>Accounts of Chemical Research</i> , 2019, 52, 605-614.	15.6	50
6	Binding in Radical-Solvent Binary Complexes: Benchmark Energies and Performance of Approximate Methods. <i>Journal of Chemical Theory and Computation</i> , 2013, 9, 1568-1579.	5.3	46
7	Geometries and Vibrational Frequencies of Small Radicals: Performance of Coupled Cluster and More Approximate Methods. <i>Journal of Chemical Theory and Computation</i> , 2012, 8, 2165-2179.	5.3	42
8	Exploring the Aqueous Vertical Ionization of Organic Molecules by Molecular Simulation and Liquid Microjet Photoelectron Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2015, 119, 238-256.	2.6	32
9	Reactions of pyrrole, imidazole, and pyrazole with ozone: kinetics and mechanisms. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 976-992.	2.4	20
10	Explicit solvent simulations of the aqueous oxidation potential and reorganization energy for neutral molecules: gas phase, linear solvent response, and non-linear response contributions. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 14811-14826.	2.8	19
11	Toxic effects of substituted <i>p</i> -benzoquinones and hydroquinones in <i>in vitro</i> bioassays are altered by reactions with the cell assay medium. <i>Water Research</i> , 2021, 202, 117415.	11.3	15
12	Gas-Phase Ozone Reactions with a Structurally Diverse Set of Molecules: Barrier Heights and Reaction Energies Evaluated by Coupled Cluster and Density Functional Theory Calculations. <i>Journal of Physical Chemistry A</i> , 2019, 123, 517-536.	2.5	13
13	On the Nature of Interactions of Radicals with Polar Molecules. <i>Journal of Physical Chemistry A</i> , 2013, 117, 12560-12568.	2.5	12
14	Further transformation of the primary ozonation products of tramadol- and venlafaxine N-oxide: Mechanistic and structural considerations. <i>Science of the Total Environment</i> , 2022, 845, 157259.	8.0	1