

Eric V Patterson

List of Publications by Year in descending order

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papers

1,431
citations

489802

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29
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docs citations

30
times ranked

1814
citing authors

#	ARTICLE	IF	CITATIONS
1	Acid- and Base-Mediated Hydrolysis of Dichloroacetamide Herbicide Safeners. <i>Environmental Science & Technology</i> , 2022, 56, 325-334.	4.6	4
2	Computational Approaches for the Prediction of Environmental Transformation Products: Chlorination of Steroidal Enones. <i>Environmental Science & Technology</i> , 2021, 55, 14658-14666.	4.6	6
3	Building Shape-Persistent Arylene Ethynylene Macrocycles as Scaffolds for 1,4-Diiodobutadiyne. <i>Journal of Organic Chemistry</i> , 2020, 85, 7641-7647.	1.7	1
4	Intramolecular [2 + 2] Photocycloaddition of Altrenogest: Confirmation of Product Structure, Theoretical Mechanistic Insight, and Bioactivity Assessment. <i>Journal of Organic Chemistry</i> , 2019, 84, 11366-11371.	1.7	6
5	Atropselective Oxidation of 2,2,3,3,4,6-Hexachlorobiphenyl (PCB 132) to Hydroxylated Metabolites by Human Liver Microsomes and Its Implications for PCB 132 Neurotoxicity. <i>Toxicological Sciences</i> , 2019, 171, 406-420.	1.4	15
6	Photocatalytic Radical Aroylation of Unactivated Alkenes: Pathway to β^2 -Functionalized 1,4-, 1,6-, and 1,7-Diketones. <i>ACS Catalysis</i> , 2019, 9, 10358-10364.	5.5	66
7	Reversible Photohydration of Trenbolone Acetate Metabolites: Mechanistic Understanding of Product-to-Parent Reversion through Complementary Experimental and Theoretical Approaches. <i>Environmental Science & Technology</i> , 2016, 50, 6753-6761.	4.6	14
8	Backbone-Base Interactions Critical to Quantum Stabilization of Transfer RNA Anticodon Structure. <i>Journal of Physical Chemistry B</i> , 2013, 117, 7489-7497.	1.2	11
9	Product-to-Parent Reversion of Trenbolone: Unrecognized Risks for Endocrine Disruption. <i>Science</i> , 2013, 342, 347-351.	6.0	73
10	H_2 -Mediated Thermal and Photochemical Methane Activation. <i>ChemPhysChem</i> , 2013, 14, 3960-3970.	1.0	9
11	Computational Studies of CO_2 Activation via Photochemical Reactions with Reduced Sulfur Compounds. <i>Journal of Physical Chemistry A</i> , 2012, 116, 9331-9339.	1.1	25
12	2-Amino-5-(3,4-dimethoxybenzylidene)-1-methylimidazol-4(5H)-one·N,N-dimethylformamide monosolvate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2010, 66, o101-o103.	0.4	1
13	Effects of Cyano Substituents on Cyclobutadiene and Its Isomers. <i>Journal of Physical Chemistry A</i> , 2010, 114, 6431-6437.	1.1	18
14	Structure of Triplet Propynylidene (HCCCH) as Probed by IR, UV/vis, and EPR Spectroscopy of Isotopomers. <i>Journal of the American Chemical Society</i> , 2009, 131, 9442-9455.	6.6	39
15	Impact of Solvent Polarity on N-Heterocyclic Carbene-Catalyzed β^2 -Protonations of Homoenate Equivalents. <i>Organic Letters</i> , 2009, 11, 3942-3945.	2.4	73
16	Computational studies on the solvolysis of the chemical warfare agent VX. <i>Journal of Physical Organic Chemistry</i> , 2008, 21, 321-328.	0.9	36
17	Atom-Centered Density Matrix Propagation Calculations on the Methyl Transfer from CH_3Cl to NH_3 : Gas-Phase and Continuum-Solvated Trajectories. <i>Journal of Chemical Theory and Computation</i> , 2007, 3, 336-343.	2.3	12
18	Quantum mechanical calculations on the reaction of ethoxide anion with O,S-dimethyl methylphosphonothiolate. <i>Computational and Theoretical Chemistry</i> , 2007, 811, 281-291.	1.5	18

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19	On Gas Phase $\hat{\pm}$ -Effects. 1. The Gas-Phase Manifestation and Potential SET Character. <i>Journal of Organic Chemistry</i> , 2006, 71, 8121-8125.	1.7	43
20	Ab Initio Molecular Orbital and Density Functional Studies on the Solvolysis of Sarin and O,S-Dimethyl Methylphosphonothiolate, a VX-like Compound. <i>Journal of Organic Chemistry</i> , 2005, 70, 8649-8660.	1.7	72
21	Fluorescence of substituted pyrrolyl pyridines. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2004, 163, 463-471.	2.0	5
22	Ionic Liquids Based on FeCl ₃ and FeCl ₂ . Raman Scattering and ab Initio Calculations. <i>Inorganic Chemistry</i> , 2001, 40, 2298-2304.	1.9	314
23	Reductive Dechlorination of Hexachloroethane in the Environment: Mechanistic Studies via Computational Electrochemistry. <i>Journal of the American Chemical Society</i> , 2001, 123, 2025-2031.	6.6	88
24	Molecular orbital calculations on the P-S bond cleavage step in the hydroperoxidolysis of nerve agent VX. <i>Journal of Physical Organic Chemistry</i> , 1998, 11, 232-240.	0.9	26
25	Structures, Automerizations, and Isomerizations of C ₃ H ₂ Isomers. <i>Journal of the American Chemical Society</i> , 1997, 119, 5847-5856.	6.6	141
26	Rearrangements of C ₇ H ₆ Isomers: Computational Studies of the Interconversions of Bicyclo[3.2.0]hepta-1,3,6-triene, Bicyclo[3.2.0]hepta-3,6-diene-2-ylidene, Bicyclo[3.2.0]hepta-2,3,6-triene, and Cyclohepta-1,2,4,6-tetraene. <i>Journal of Organic Chemistry</i> , 1997, 62, 4398-4405.	1.7	38
27	Nitrogen and Oxygen Donors in Nonlinear Optical Materials: Effects of Alkyl vs Phenyl Substitution on the Molecular Hyperpolarizability. <i>Journal of the American Chemical Society</i> , 1996, 118, 9966-9973.	6.6	65
28	The C ₇ H ₆ Potential Energy Surface Revisited: Relative Energies and IR Assignment. <i>Journal of the American Chemical Society</i> , 1996, 118, 1535-1542.	6.6	155
29	Structure of Triplet Propynylidene. <i>Journal of the American Chemical Society</i> , 1995, 117, 835-836.	6.6	57