

Evan S Beach

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

2,276
citations

279487

23
h-index

414034

32
g-index

37
all docs

37
docs citations

37
times ranked

3433
citing authors

#	ARTICLE	IF	CITATIONS
1	Depolymerization of organosolv lignin to aromatic compounds over Cu-doped porous metal oxides. <i>Green Chemistry</i> , 2014, 16, 191-196.	4.6	250
2	Derivation and synthesis of renewable surfactants. <i>Chemical Society Reviews</i> , 2012, 41, 1499-1518.	18.7	237
3	Algae as a source of renewable chemicals: opportunities and challenges. <i>Green Chemistry</i> , 2011, 13, 1399.	4.6	201
4	Green Chemistry: A design framework for sustainability. <i>Energy and Environmental Science</i> , 2009, 2, 1038.	15.6	185
5	Green Chemistry and Green Engineering: A Framework for Sustainable Technology Development. <i>Annual Review of Environment and Resources</i> , 2011, 36, 271-293.	5.6	166
6	Catalytically Active $\frac{1}{4}$ -Oxodiiron(IV) Oxidants from Iron(III) and Dioxygen. <i>Journal of the American Chemical Society</i> , 2005, 127, 2505-2513.	6.6	158
7	Preferential technological and life cycle environmental performance of chitosan flocculation for harvesting of the green algae <i>Neochloris oleoabundans</i> . <i>Bioresource Technology</i> , 2012, 121, 445-449.	4.8	103
8	Green chemistry: the emergence of a transformative framework. <i>Green Chemistry Letters and Reviews</i> , 2007, 1, 9-24.	2.1	92
9	Life cycle inventory improvement in the pharmaceutical sector: assessment of the sustainability combining PMI and LCA tools. <i>Green Chemistry</i> , 2015, 17, 3390-3400.	4.6	90
10	Depolymerization of organosolv lignin using doped porous metal oxides in supercritical methanol. <i>Bioresource Technology</i> , 2014, 161, 78-83.	4.8	86
11	Destruction of Estrogens Using Fe-TAML/Peroxide Catalysis. <i>Environmental Science & Technology</i> , 2008, 42, 1296-1300.	4.6	72
12	Magnetic Field Alignment of a Diblock Copolymer Using a Supramolecular Route. <i>ACS Macro Letters</i> , 2012, 1, 184-189.	2.3	59
13	Rapid, Biomimetic Degradation in Water of the Persistent Drug Sertraline by TAML Catalysts and Hydrogen Peroxide. <i>Environmental Science & Technology</i> , 2011, 45, 7882-7887.	4.6	56
14	Highly selective hydrogenation and hydrogenolysis using a copper-doped porous metal oxide catalyst. <i>Green Chemistry</i> , 2016, 18, 150-156.	4.6	49
15	Modification of chitosan films with environmentally benign reagents for increased water resistance. <i>Green Chemistry Letters and Reviews</i> , 2011, 4, 35-40.	2.1	46
16	A multidisciplinary investigation of the technical and environmental performances of TAML/peroxide elimination of Bisphenol A compounds from water. <i>Green Chemistry</i> , 2017, 19, 4234-4262.	4.6	46
17	Attaining Control by Design over the Hydrolytic Stability of Fe-TAML Oxidation Catalysts. <i>Journal of the American Chemical Society</i> , 2008, 130, 4497-4506.	6.6	45
18	Fe-TAML/hydrogen peroxide degradation of concentrated solutions of the commercial azo dye tartrazine. <i>Catalysis Science and Technology</i> , 2011, 1, 437.	2.1	43

#	ARTICLE	IF	CITATIONS
19	Plastics additives and green chemistry. <i>Pure and Applied Chemistry</i> , 2013, 85, 1611-1624.	0.9	42
20	Linear and cyclic C-glycosides as surfactants. <i>Green Chemistry</i> , 2011, 13, 321-325.	4.6	38
21	Smectic Demixing in the Phase Behavior and Self-Assembly of a Hydrogen-Bonded Polymer with Mesogenic Side Chains. <i>Macromolecules</i> , 2010, 43, 6646-6654.	2.2	31
22	Accelerated Solvent Extraction of Lignin from <i>Aleurites moluccana</i> (Candlenut) Nutshells. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 10045-10048.	2.4	30
23	High-Intensity Sweeteners in Alternative Tobacco Products. <i>Nicotine and Tobacco Research</i> , 2016, 18, 2169-2173.	1.4	30
24	Activation of Hydrogen Peroxide by an Fe-TAML Complex in Strongly Alkaline Aqueous Solution: Homogeneous Oxidation Catalysis with Industrial Significance. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 7072-7076.	1.8	20
25	Differing selectivities in mechanochemical versus conventional solution oxidation using Oxone. <i>Tetrahedron Letters</i> , 2013, 54, 2344-2347.	0.7	20
26	Green chemistry in China. <i>Pure and Applied Chemistry</i> , 2011, 83, 1379-1390.	0.9	18
27	Properties of Thermosets Derived from Chemically Modified Triglycerides and Bio-Based Comonomers. <i>Applied Sciences (Switzerland)</i> , 2013, 3, 684-693.	1.3	15
28	Changing the Course of Chemistry. <i>ACS Symposium Series</i> , 2009, , 1-18.	0.5	13
29	Tetraamido Macrocyclic Ligand Catalytic Oxidant Activators in the Pulp and Paper Industry. <i>ACS Symposium Series</i> , 2002, , 47-60.	0.5	10
30	A Proactive Approach to Toxic Chemicals: Moving Green Chemistry Beyond Alternatives in the "Safe Chemicals Act of 2010". <i>Environmental Science & Technology</i> , 2010, 44, 6022-6023.	4.6	10
31	Quantum Chemistry Analysis of Reaction Thermodynamics for Hydrogenation and Hydrogenolysis of Aromatic Biomass Model Compounds. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 10371-10378.	3.2	10
32	Self-assembly of supramolecular complexes of charged conjugated polymers and imidazolium-based ionic liquid crystals. <i>Giant</i> , 2022, 9, 100088.	2.5	5
33	PLASTICS ADDITIVES AND GREEN CHEMISTRY. , 2010, , .		0