

Arani Chanda

List of Publications by Year in descending order

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18
papers

2,715
citations

516710

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839539

18
g-index

19
all docs

19
docs citations

19
times ranked

3079
citing authors

#	ARTICLE	IF	CITATIONS
1	Organic Synthesis on Water. Chemical Reviews, 2009, 109, 725-748.	47.7	1,316
2	Chemical and Spectroscopic Evidence for an FeV-Oxo Complex. Science, 2007, 315, 835-838.	12.6	435
3	FeIII-catalyzed green oxidative degradation of the azodye Orange II by H ₂ O ₂ and organic peroxides: products, toxicity, kinetics, and mechanisms. Green Chemistry, 2007, 9, 49-57.	9.0	158
4	Catalase-like Peroxidase Activity of Iron(III)-TAML Activators of Hydrogen Peroxide. Journal of the American Chemical Society, 2008, 130, 15116-15126.	13.7	158
5	(TAML)Fe ^{IV} =O Complex in Aqueous Solution: Synthesis and Spectroscopic and Computational Characterization. Inorganic Chemistry, 2008, 47, 3669-3678.	4.0	121
6	Total Degradation of Fenitrothion and Other Organophosphorus Pesticides by Catalytic Oxidation Employing Fe-TAML Peroxide Activators. Journal of the American Chemical Society, 2006, 128, 12058-12059.	13.7	110
7	High-valent iron complexes with tetraamido macrocyclic ligands: Structures, Mössbauer spectroscopy, and DFT calculations. Journal of Inorganic Biochemistry, 2006, 100, 606-619.	3.5	74
8	High-valent first-row transition-metal complexes of tetraamido (4N) and diamidodialkoxido or diamidophenolato (2N/2O) ligands: Synthesis, structure, and magnetochemistry. Coordination Chemistry Reviews, 2008, 252, 2050-2071.	18.8	71
9	Activity-Stability Parameterization of Homogeneous Green Oxidation Catalysts. Chemistry - A European Journal, 2006, 12, 9336-9345.	3.3	57
10	Attaining Control by Design over the Hydrolytic Stability of Fe-TAML Oxidation Catalysts. Journal of the American Chemical Society, 2008, 130, 4497-4506.	13.7	45
11	Mechanistically Inspired Design of Fe ^{III} -TAML Peroxide-Activating Catalysts. Journal of the American Chemical Society, 2008, 130, 12260-12261.	13.7	38
12	TAML Activator/Peroxide-Catalyzed Facile Oxidative Degradation of the Persistent Explosives Trinitrotoluene and Trinitrobenzene in Micellar Solutions. Environmental Science & Technology, 2013, 47, 5319-5326.	10.0	27
13	Rapid degradation of oxidation resistant nitrophenols by TAML activator and H ₂ O ₂ . Catalysis Science and Technology, 2015, 5, 1775-1782.	4.1	25
14	Facile destruction of formulated chlorpyrifos through green oxidation catalysis. Catalysis Science and Technology, 2012, 2, 1165.	4.1	24
15	DFT-Verified Crystallographic Mechanism of Cycloplatination. European Journal of Inorganic Chemistry, 2006, 2006, 2561-2565.	2.0	22
16	Oxidation of pinacyanol chloride by H ₂ O ₂ catalyzed by FeIII complexed to tetraamidomacrocyclic ligand: unusual kinetics and product identification. Journal of Coordination Chemistry, 2010, 63, 2605-2618.	2.2	17
17	Density Functional Theory Study of the Structural, Electronic, and Magnetic Properties of a μ_4 -oxo Bridged Dinuclear Fe ^{IV} Complex Based on a Tetra-Amido Macrocyclic Ligand. Inorganic Chemistry, 2008, 47, 9372-9379.	4.0	12
18	Green approaches: a new horizon for future scientists. Green Chemistry, 2004, 6, G5.	9.0	5