

John M Roberts

List of Publications by Year in descending order

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16
papers

8,193
citations

840776

11
h-index

888059

17
g-index

19
all docs

19
docs citations

19
times ranked

11078
citing authors

#	ARTICLE	IF	CITATIONS
1	Biocatalytic Transformations of Silicon—the Other Group 14 Element. <i>ACS Central Science</i> , 2021, 7, 944-953.	11.3	28
2	Homoconjugated Acids as Low Cyclosiloxane-Producing Silanol Polycondensation Catalysts. <i>ACS Omega</i> , 2020, 5, 24954-24963.	3.5	3
3	Lewis Acids As Highly Active Silanol Polycondensation Catalysts Affording Low Levels of Cyclosiloxanes. <i>Macromolecules</i> , 2020, 53, 7487-7495.	4.8	7
4	Selective Enzymatic Oxidation of Silanes to Silanols. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15507-15511.	13.8	48
5	Toward a New Direct Process: Synthesis of Methylmethoxysilanes from Dimethyl Carbonate and Pentacopper Silicide. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 7457-7465.	3.7	9
6	Selective Enzymatic Oxidation of Silanes to Silanols. <i>Angewandte Chemie</i> , 2020, 132, 15637-15641.	2.0	9
7	Synthesis of SiCl ₄ via the Chloride Salt-Catalyzed Reaction of Orthosilicates with SOCl ₂ . <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 11652-11655.	3.7	10
8	Synthesis of SiCl ₄ from Gaseous HCl and Si(OMe) ₄ . <i>Reaction Development and Kinetic Studies. Industrial & Engineering Chemistry Research</i> , 2016, 55, 1813-1818.	3.7	11
9	A zwitterionic metal-organic framework with free carboxylic acid sites that exhibits enhanced hydrogen adsorption energies. <i>CrystEngComm</i> , 2013, 15, 9408.	2.6	19
10	Single-Molecule Tip-Enhanced Raman Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2012, 116, 478-483.	3.1	226
11	Urea Metal-Organic Frameworks as Effective and Size-Selective Hydrogen-Bond Catalysts. <i>Journal of the American Chemical Society</i> , 2012, 134, 3334-3337.	13.7	292
12	Two Azolium Rings Are Better Than One: A Strategy for Controlling Catenation and Morphology in Zn and Cu Metal-Organic Frameworks. <i>Crystal Growth and Design</i> , 2011, 11, 4747-4750.	3.0	47
13	NHC-Catalyzed/Titanium(IV)-Mediated Highly Diastereo- and Enantioselective Dimerization of Enals. <i>Organic Letters</i> , 2011, 13, 1068-1071.	4.6	84
14	Catalytic Enantioselective Total Syntheses of Bakkenolides I, J, and S: Application of a Carbene-Catalyzed Desymmetrization. <i>Organic Letters</i> , 2010, 12, 2830-2833.	4.6	86
15	Metal-organic framework materials as catalysts. <i>Chemical Society Reviews</i> , 2009, 38, 1450.	38.1	7,228
16	Synthesis and Gas Sorption Properties of a Metal-Azolium Framework (MAF) Material. <i>Inorganic Chemistry</i> , 2009, 48, 9971-9973.	4.0	83