

Samir Barman

List of Publications by Year in descending order

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623734

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#	ARTICLE	IF	CITATIONS
1	Highly Convenient Amine-Free Sonogashira Coupling in Air in a Polar Mixed Aqueous Medium by <i>trans</i> - and <i>cis</i> -{(NHC) ₂ PdX ₂ } (X=Cl, Br) Complexes of N/O-Functionalized Heterocyclic Carbenes. <i>Chemistry - A European Journal</i> , 2008, 14, 6646-6655.	3.3	122
2	Triptycene based luminescent metal-organic gels for chemosensing. <i>Chemical Communications</i> , 2012, 48, 11127.	4.1	87
3	Gold(I) N-heterocyclic carbene based initiators for bulk ring-opening polymerization of l-lactide. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 4259-4269.	1.8	86
4	Single-Site VO _x Moieties Generated on Silica by Surface Organometallic Chemistry: A Way To Enhance the Catalytic Activity in the Oxidative Dehydrogenation of Propane. <i>ACS Catalysis</i> , 2016, 6, 5908-5921.	11.2	74
5	Azulene based metal-organic frameworks for strong adsorption of H ₂ . <i>Chemical Communications</i> , 2010, 46, 7981.	4.1	57
6	Controlling the hydrogenolysis of silica-supported tungsten pentamethyl leads to a class of highly electron deficient partially alkylated metal hydrides. <i>Chemical Science</i> , 2016, 7, 1558-1568.	7.4	53
7	Synthesis of well-defined yttrium-based Lewis acids by capturing a reaction intermediate and catalytic application for cycloaddition of CO ₂ to epoxides under atmospheric pressure. <i>Catalysis Science and Technology</i> , 2019, 9, 6152-6165.	4.1	51
8	Well-Defined Molybdenum Oxo Alkyl Complex Supported on Silica by Surface Organometallic Chemistry: A Highly Active Olefin Metathesis Precatalyst. <i>Journal of the American Chemical Society</i> , 2017, 139, 2144-2147.	13.7	49
9	A Silica-Supported Monoalkylated Tungsten Dioxo Complex Catalyst for Olefin Metathesis. <i>ACS Catalysis</i> , 2018, 8, 2715-2729.	11.2	38
10	Incorporation of active metal sites in MOFs via in situ generated ligand deficient metal-linker complexes. <i>Chemical Communications</i> , 2011, 47, 11882.	4.1	35
11	Synthesis and hydrogen adsorption properties of internally polarized 2,6-azulenedicarboxylate based metal-organic frameworks. <i>Journal of Materials Chemistry A</i> , 2014, 2, 18823-18830.	10.3	29
12	SOMC-Designed Silica Supported Tungsten Oxo Imidazolin-2-iminato Methyl Precatalyst for Olefin Metathesis Reactions. <i>Inorganic Chemistry</i> , 2017, 56, 861-871.	4.0	23
13	Metathetic Oxidation of 2-Butenes to Acetaldehyde by Molecular Oxygen Using the Single-Site Olefin Metathesis Catalyst (â% ₂ SiO) ₂ Mo(â•O) ₂ . <i>ACS Catalysis</i> , 2018, 8, 7549-7555.	11.2	21
14	Imine Metathesis Catalyzed by a Silica-Supported Hafnium Imido Complex. <i>ACS Catalysis</i> , 2018, 8, 9440-9446.	11.2	20
15	Mechanistic Study of Hydroamination of Alkyne through Tantalum-Based Silica-Supported Surface Species. <i>ACS Catalysis</i> , 2019, 9, 8719-8725.	11.2	15
16	Clean chlorination of silica surfaces by a single-site substitution approach. <i>Dalton Transactions</i> , 2018, 47, 4301-4306.	3.3	14
17	Well-Defined Silica Grafted Molybdenum Bis(imido) Catalysts for Imine Metathesis Reactions. <i>Organometallics</i> , 2017, 36, 1550-1556.	2.3	12
18	SOMC grafting of vanadium oxytriisopropoxide (VO(O ⁱ Pr) ₃) on dehydroxylated silica; analysis of surface complexes and thermal restructuring mechanism. <i>RSC Advances</i> , 2018, 8, 20801-20808.	3.6	11

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19	Well-defined silica supported bipodal molybdenum oxo alkyl complexes: a model of the active sites of industrial olefin metathesis catalysts. <i>Chemical Communications</i> , 2017, 53, 11338-11341.	4.1	10