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## Aerobic BaeyerVilliger Oxidation of Cyclic Ketones over Metalloporphyrins Bridged Periodic Mesoporous Organ

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#	Paper	IF	Citations
75	Synthesis of chamaecypanone C analogues from in situ-generated cyclopentadienones and their biological evaluation. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 19782-7	16.4	24
74	Synthesis of porphyrin-bridged periodic mesoporous organosilica and their catalytic applications. <i>Research on Chemical Intermediates</i> , <b>2012</b> , 38, 1237-1248	2.8	16
73	A photoactive porphyrin-based periodic mesoporous organosilica thin film. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 18513-9	16.4	45
72	Iron-catalysed carbon-carbon single bond activation. <i>Organic and Biomolecular Chemistry</i> , <b>2013</b> , 11, 12713-9	3.9	26
71	Catalysis by Carbon Materials for the Aerobic Baeyer-Villiger Oxidation in the Presence of Aldehydes. <i>ACS Catalysis</i> , <b>2013</b> , 3, 230-236	13.1	48
70	Palladium phthalocyaninesulfonate functionalized mesoporous polymer: A highly efficient photocatalyst for degradation of 4-chlorophenol under visible light irradiation. <i>Journal of Molecular Catalysis A</i> , <b>2013</b> , 371, 15-20		18
69	Periodic Mesoporous Organosilicas: from simple to complex bridges; a comprehensive overview of functions, morphologies and applications. <i>Chemical Society Reviews</i> , <b>2013</b> , 42, 3913-55	58.5	385
68	Baeyer-Villiger Oxidation of Cyclic Ketones Using Aqueous Hydrogen Peroxide Catalyzed by Potassium Salts of Tungstophosphoric Acid. <i>Chemistry Letters</i> , <b>2014</b> , 43, 941-943	1.7	1
67	Periodic mesoporous organosilica (PMO) for catalytic applications. <i>Korean Journal of Chemical Engineering</i> , <b>2014</b> , 31, 1707-1719	2.8	30
66	Tetracarboxyphenylporphyrin/Kaolinite Hybrid Materials as Efficient Catalysts and Antibacterial Agents. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 24562-24574	3.8	21
65	Cu(II) PBS-bridged PMOs catalyzed one-pot synthesis of 1,4-disubstituted 1,2,3-triazoles in water through click chemistry. <i>RSC Advances</i> , <b>2014</b> , 4, 29772-29781	3.7	16
64	A zinc phthalocyanine based periodic mesoporous organosilica exhibiting charge transfer to fullerenes. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 14971-5	4.8	21
63	Periodic mesoporous organosilicas for advanced applications. <i>NPG Asia Materials</i> , <b>2014</b> , 6, e96-e96	10.3	122
62	Baeyer-Villiger oxidation of cyclohexanone by molecular oxygen with Fe <sub>3</sub> O <sub>4</sub> mixed oxides as catalysts. <i>Applied Organometallic Chemistry</i> , <b>2015</b> , 29, 450-455	3.1	15
61	Mesoporous materials: versatile supports in heterogeneous catalysis for liquid phase catalytic transformations. <i>RSC Advances</i> , <b>2015</b> , 5, 24363-24391	3.7	106
60	Porous chitosan-supported metal tetra(4-carboxyphenyl)porphyrin as a practical model for the hydrophobic pocket/cavity of cytochrome P-450 enzyme. <i>Materials Science and Engineering C</i> , <b>2015</b> , 49, 844-850	8.3	10
59	Iron catalysis in organic synthesis. <i>Chemical Reviews</i> , <b>2015</b> , 115, 3170-387	68.1	1237

58	Aerobic Baeyer-Villiger oxidation of cyclic ketones over periodic mesoporous silica Cu/Fe/Ni/Co-HMS-X. <i>Applied Catalysis A: General</i> , <b>2015</b> , 505, 515-523	5.1	19
57	Complete Double Epoxidation of Divinylbenzene Using Mn(porphyrin)-Based Porous Organic Polymers. <i>ACS Catalysis</i> , <b>2015</b> , 5, 4859-4866	13.1	52
56	Functionalized Mesoporous Materials as Sustainable Catalyst in Liquid Phase Catalytic Transformations. <b>2015</b> , 23-60		
55	Self-directedly assembled porphyrin thin films with high photoactivity. <i>RSC Advances</i> , <b>2015</b> , 5, 94046-94052	3.7	2
54	Recent advances in hybrid periodic mesostructured organosilica materials: opportunities from fundamental to biomedical applications. <i>RSC Advances</i> , <b>2015</b> , 5, 79129-79151	3.7	30
53	Bacteriogenic iron oxide as an effective catalyst for Baeyer-Villiger oxidation with molecular oxygen and benzaldehyde. <i>Tetrahedron</i> , <b>2015</b> , 71, 9403-9407	2.4	11
52	Chemistry of Mesoporous Organosilica in Nanotechnology: Molecularly Organic-Inorganic Hybridization into Frameworks. <i>Advanced Materials</i> , <b>2016</b> , 28, 3235-72	24	231
51	Synthesis of meso-tetraarylporphyrins using hafnium (IV) bis(perfluorooctanesulfonyl)imide complex in perfluorodecalin medium. <i>Journal of Chemical Research</i> , <b>2016</b> , 40, 549-551	0.6	
50	Sn-based catalysts for Baeyer-Villiger oxidations by using hydrogen peroxide as oxidant. <i>Science China Materials</i> , <b>2016</b> , 59, 675-700	7.1	9
49	Copper Tetrasulphophthalocyanine Intercalated Hydrotalcite as an Efficient Bifunctional Catalyst for the Baeyer-Villiger Oxidation. <i>Catalysis Letters</i> , <b>2016</b> , 146, 2157-2164	2.8	8
48	Preparation and application of surface activated Si-MCM-41 and SBA-16 as reusable supports for reduction of cyclic ketones with preferential stereoselectivity. <i>RSC Advances</i> , <b>2016</b> , 6, 99444-99454	3.7	6
47	Highly active InOx/TUD-1 catalyst towards Baeyer-Villiger oxidation of cyclohexanone using molecular oxygen and benzaldehyde. <i>Catalysis Communications</i> , <b>2016</b> , 74, 80-84	3.2	14
46	Insight into the cocatalyst effect of 4A molecular sieve on Sn(II) porphyrin-catalyzed BV oxidation of cyclohexanone. <i>Catalysis Today</i> , <b>2016</b> , 264, 191-197	5.3	18
45	Iron-catalyzed aerobic oxidative cleavage of the C-C bond using air as the oxidant: chemoselective synthesis of carbon chain-shortened aldehydes, ketones and 1,2-dicarbonyl compounds. <i>Chemical Communications</i> , <b>2016</b> , 52, 489-92	5.8	33
44	The Mesoporous Porphyrinic Zirconium Metal-Organic Framework for Pipette-Tip Solid-Phase Extraction of Mercury from Fish Samples Followed by Cold Vapor Atomic Absorption Spectrometric Determination. <i>Food Analytical Methods</i> , <b>2017</b> , 10, 2175-2184	3.4	36
43	Three-Component Povarov Reaction with Alcohols as Alkene Precursors: Efficient Access to 2-Arylquinolines. <i>European Journal of Organic Chemistry</i> , <b>2017</b> , 2017, 618-625	3.2	11
42	Ordered mesoporous SnO <sub>2</sub> /TiO <sub>2</sub> catalysts via an evaporation induced self-assembly method for the Baeyer-Villiger oxidation of cyclohexanone by molecular oxygen. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , <b>2017</b> , 120, 295-305	1.6	12
41	Self-assembly of DNA-porphyrin hybrid molecules for the creation of antimicrobial nanonetwork. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2017</b> , 172, 28-35	6.7	8

40	Fluorinated Porous Conjugated Polyporphyrins through Direct C-H Arylation Polycondensation: Preparation, Porosity, and Use as Heterogeneous Catalysts for Baeyer-Villiger Oxidation. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 9831-9837	4.8	21
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38	Biomolding Technique to Fabricate the Hierarchical Topographical Scaffold of POMA To Enhance the Differentiation of Neural Stem Cells. <i>ACS Biomaterials Science and Engineering</i> , <b>2017</b> , 3, 1527-1534	5.5	8
37	Highly ordered mesoporous organosilica-titania with ionic liquid framework as very efficient nanocatalyst for green oxidation of alcohols. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 500, 212-219	9.3	24
36	Nickel containing ionic liquid based ordered nanoporous organosilica: a powerful and recoverable catalyst for synthesis of polyhydroquinolines. <i>RSC Advances</i> , <b>2017</b> , 7, 54789-54796	3.7	15
35	Synthesize polymeric manganese porphyrin with Cu/N,N-dimethyl glycine acid catalytic system and high-efficiency aerobic catalytic oxidation of cyclic ketones. <i>Macromolecular Research</i> , <b>2017</b> , 25, 792-798	1.9	10
34	Phenyl and ionic liquid based bifunctional periodic mesoporous organosilica supported copper: An efficient nanocatalyst for clean production of polyhydroquinolines. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 505, 1177-1184	9.3	17
33	Fe <sub>3</sub> O <sub>4</sub> /sulfonated polystyrene as an efficient and selective catalyst in heterogeneous Baeyer-Villiger oxidation reaction of cyclic ketones. <i>Journal of Saudi Chemical Society</i> , <b>2018</b> , 22, 129-135	4.3	4
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29	A tetranuclear diphenyltin(IV) complex and its catalytic activity in the aerobic Baeyer-Villiger oxidation of cyclohexanone. <i>Journal of Organometallic Chemistry</i> , <b>2018</b> , 867, 193-200	2.3	7
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27	Metalloporphyrins: Bioinspired Oxidation Catalysts. <i>ACS Catalysis</i> , <b>2018</b> , 8, 10784-10808	13.1	82
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12	Fe/Fe <sub>3</sub> C Boosts H <sub>2</sub> O <sub>2</sub> Utilization for Methane Conversion Overwhelming O <sub>2</sub> Generation. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 8971-8977	3.6	7
11	Fe/Fe <sub>3</sub> C Boosts H <sub>2</sub> O Utilization for Methane Conversion Overwhelming O <sub>2</sub> Generation. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 8889-8895	16.4	21
10	Ni-Zn supported defective carbon with multi-functional catalytic sites for Baeyer-Villiger reaction using air as oxidant. <i>Journal of Materials Science</i> , <b>2021</b> , 56, 14684-14699	4.3	0
9	Experimental and theoretical study on N-hydroxyphthalimide and its derivatives catalyzed aerobic oxidation of cyclohexylbenzene. <i>Chinese Journal of Chemical Engineering</i> , <b>2021</b> ,	3.2	1
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2	Synthesis of Metal Xanthene-Bridged Bis-corroles and their Catalytic Activity in Aerobic Baeyer-Villiger Oxidation Reaction. <i>Asian Journal of Organic Chemistry</i> ,	3	
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