Jerome Canivet

List of Publications by Year
in descending order

53 papers	4,840 citations	147801 31 h-index	155660 55 g-index
63 all docs	63 docs citations	63 times ranked	6456 citing authors

#	Article	IF	Citations
1	Rhodium-Based Metalâ€“Organic Polyhedra Assemblies for Selective CO₂ Photoreduction. Journal of the American Chemical Society, 2022, 144, 3626-3636.	13.7	57
2	Finding the Sweet Spot of Photocatalysisâ”€A Case Study Using Bipyridine-Based CTFs. ACS Applied Materials & Interfaces, 2022, 14, 14182-14192.	8.0	22
3	Heterogenization of a Molecular Ni Catalyst within a Porous Macroligand for the Direct Câ€“H Arylation of Heteroarenes. ACS Catalysis, 2021, 11, 3507-3515.	11.2	22
4	A Disruptive Innovation for Upgrading Methane to C3 Commodity Chemicals. Johnson Matthey Technology Review, 2021, 65, 311-329.	1.0	7
5	Porous Macroligands: Materials for Heterogeneous Molecular Catalysis. ChemCatChem, 2020, 12, 1270-1275.	3.7	27
6	Synthetic and computational assessment of a chiral metalâ€“organic framework catalyst for predictive asymmetric transformation. Chemical Science, 2020, 11, 8800-8808.	7.4	21
7	Molecular Porous Photosystems Tailored for Longâ€Term Photocatalytic CO₂ Reduction. Angewandte Chemie - International Edition, 2020, 59, 5116-5122.	13.8	60
8	Molecular Porous Photosystems Tailored for Longâ€Term Photocatalytic CO 2 Reduction. Angewandte Chemie, 2020, 132, 5154-5160.	2.0	15
9	Regiospecificity in Ligand-Free Pd-Catalyzed Câ€“H Arylation of Indoles: LiHMDS as Base and Transient Directing Group. ACS Catalysis, 2020, 10, 2713-2719.	11.2	32
10	Nickel-catalyzed and Li-mediated regiospecific Câ€“H arylation of benzothiophenes. Green Chemistry, 2020, 22, 3155-3161.	9.0	11
11	Microporous Polymers as Macroligands for Pentamethylcyclopentadienylrhodium Transferâ€Hydrogenation Catalysts. ChemCatChem, 2018, 10, 1778-1782.	3.7	14
12	Hammett Parameter in Microporous Solids as Macroligands for Heterogenized Photocatalysts. ACS Catalysis, 2018, 8, 1653-1661.	11.2	50
13	Immobilization of a Full Photosystem in the Largeâ€Pore MILâ€101 Metalâ€“Organic Framework for CO₂ reduction. ChemSusChem, 2018, 11, 3315-3322.	6.8	57
14	Systematic study of the impact of MOF densification into tablets on textural and mechanical properties. CrystEngComm, 2017, 19, 4211-4218.	2.6	58
15	A series of chiral metalâ€“organic frameworks based on fluorene di- and tetra-carboxylates: syntheses, crystal structures and luminescence properties. CrystEngComm, 2017, 19, 2042-2056.	2.6	11
16	Sensitive Photoacoustic IR Spectroscopy for the Characterization of Amino/Azido Mixedâ€Linker Metalâ€“Organic Frameworks. ChemPhysChem, 2017, 18, 2855-2858.	2.1	3
17	Enhanced formation of >C1 Products in Electroreduction of CO₂ by Adding a CO₂ Adsorption Component to a Gasâ€Diffusion Layerâ€Type Catalytic Electrode. ChemSusChem, 2017, 10, 4442-4446.	6.8	50
18	Functional Linkers for Catalysis. , 2016, , 345-386.		1

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19	Enhanced Ligandâ€Based Luminescence in Metalâ€“Organic Framework Sensor. ChemNanoMat, 2016, 2, 866-872.	2.8	26
20	A Pt/Al₂O₃-supported metalâ€“organic framework film as the size-selective coreâ€“shell hydrogenation catalyst. Chemical Communications, 2016, 52, 7161-7163.	4.1	17
21	Molecular Level Characterization of the Structure and Interactions in Peptideâ€Functionalized Metalâ€“Organic Frameworks. Chemistry - A European Journal, 2016, 22, 16531-16538.	3.3	27
22	A Simple and Nonâ€Destructive Method for Assessing the Incorporation of Bipyridine Dicarboxylates as Linkers within Metalâ€“Organic Frameworks. Chemistry - A European Journal, 2016, 22, 3713-3718.	3.3	28
23	Origin of highly active metalâ€“organic framework catalysts: defects? Defects!. Dalton Transactions, 2016, 45, 4090-4099.	3.3	183
24	Photocatalytic Carbon Dioxide Reduction with Rhodiumâ€based Catalysts in Solution and Heterogenized within Metalâ€“Organic Frameworks. ChemSusChem, 2015, 8, 603-608.	6.8	177
25	Proline-functionalized metalâ€“organic frameworks and their use in asymmetric catalysis: pitfalls in the MOFs rush. RSC Advances, 2015, 5, 11254-11256.	3.6	8
26	Enantiopure Peptide-Functionalized Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2015, 137, 9409-9416.	13.7	166
27	Superstructure of a Substituted Zeolitic Imidazolate Metalâ€“Organic Framework Determined by Combining Proton Solidâ€State NMR Spectroscopy and DFT Calculations. Angewandte Chemie - International Edition, 2015, 54, 5971-5976.	13.8	38
28	Assessing Chemical Heterogeneity at the Nanoscale in Mixedâ€Ligand Metalâ€“Organic Frameworks with the PTIR Technique. Angewandte Chemie - International Edition, 2014, 53, 2852-2856.	13.8	82
29	Structureâ€“property relationships of water adsorption in metalâ€“organic frameworks. New Journal of Chemistry, 2014, 38, 3102-3111.	2.8	252
30	Water adsorption in MOFs: fundamentals and applications. Chemical Society Reviews, 2014, 43, 5594-5617.	38.1	1,094
31	Antimicrobial activity of cobalt imidazolate metalâ€“organic frameworks. Chemosphere, 2014, 113, 188-192.	8.2	126
32	Design of microporous mixed zincâ€“nickel triazolate metalâ€“organic frameworks with functional ligands. CrystEngComm, 2013, 15, 9336.	2.6	10
33	An alternative pathway for the synthesis of isocyanato- and urea-functionalised metalâ€“organic frameworks. Dalton Transactions, 2013, 42, 8249.	3.3	13
34	MOF-Supported Selective Ethylene Dimerization Single-Site Catalysts through One-Pot Postsynthetic Modification. Journal of the American Chemical Society, 2013, 135, 4195-4198.	13.7	231
35	Cu-mediated solid-state reaction in a post-functionalized metalâ€“organic framework. CrystEngComm, 2012, 14, 4105.	2.6	16
36	Tailoring metalâ€“organic framework catalysts by click chemistry. Dalton Transactions, 2012, 41, 3945.	3.3	40

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37	Dynamic Nuclear Polarization Enhanced Solidâ€State NMR Spectroscopy of Functionalized Metalâ€“Organic Frameworks. Angewandte Chemie - International Edition, 2012, 51, 123-127.	13.8	161
38	Amino acid functionalized metalâ€“organic frameworks by a soft couplingâ€“deprotection sequence. Chemical Communications, 2011, 47, 11650.	4.1	68
39	Engineering structured MOF at nano and macroscales for catalysis and separation. Journal of Materials Chemistry, 2011, 21, 7582.	6.7	140
40	Tuning the activity by controlling the wettability of MOF eggshell catalysts: A quantitative structureâ€“activity study. Journal of Catalysis, 2011, 284, 207-214.	6.2	59
41	Engineering the Environment of a Catalytic Metalâ€“Organic Framework by Postsynthetic Hydrophobization. ChemCatChem, 2011, 3, 675-678.	3.7	67
42	Protectionâ€“deprotection Methods Applied to Metalâ€“Organic Frameworks for the Design of Original Singleâ€Site Catalysts. ChemCatChem, 2011, 3, 823-826.	3.7	19
43	Nickelâ€Catalyzed Cï£¿H Arylation of Azoles with Haloarenes: Scope, Mechanism, and Applications to the Synthesis of Bioactive Molecules. Chemistry - A European Journal, 2011, 17, 10113-10122.	3.3	187
44	Facile shaping of an imidazolate-based MOF on ceramic beads for adsorption and catalytic applications. Chemical Communications, 2010, 46, 7999.	4.1	115
45	Nickel-Catalyzed Biaryl Coupling of Heteroarenes and Aryl Halides/Triflates. Organic Letters, 2009, 11, 1733-1736.	4.6	293
46	Waterâ€Soluble Phenanthroline Complexes of Rhodium, Iridium and Ruthenium for the Regeneration of NADH in the Enzymatic Reduction of Ketones. European Journal of Inorganic Chemistry, 2007, 2007, 4736-4742.	2.0	135
47	Mono and dinuclear rhodium, iridium and ruthenium complexes containing chelating 2,2â€²-bipyrimidine ligands: Synthesis, molecular structure, electrochemistry and catalytic properties. Journal of Organometallic Chemistry, 2007, 692, 3664-3675.	1.8	72
48	Water-soluble arene ruthenium catalysts containing sulfonated diamine ligands for asymmetric transfer hydrogenation of Î±-aryl ketones and imines in aqueous solution. Green Chemistry, 2007, 9, 391-397.	9.0	135
49	[(R,R)-2-Amino-1-(p-tolylsulfonylamido)cyclohexane-Îº2N,Nâ€²]chloro(Î·5-pentamethylcyclopentadienyl)iridium(III) chloroform solvate. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, m2435-m2436.	0.2	1
50	Relating catalytic activity and electrochemical properties: The case of areneâ€“ruthenium phenanthroline complexes catalytically active in transfer hydrogenation. Inorganica Chimica Acta, 2006, 359, 2369-2374.	2.4	46
51	Water-Soluble Arene Ruthenium Complexes Containing a trans-1,2-Diaminocyclohexane Ligand as Enantioselective Transfer Hydrogenation Catalysts in Aqueous Solution. European Journal of Inorganic Chemistry, 2005, 2005, 4493-4500.	2.0	112
52	Cationic arene ruthenium complexes containing chelating 1,10-phenanthroline ligands. Journal of Organometallic Chemistry, 2005, 690, 3202-3211.	1.8	108
53	Di-Î¼-chloro-bis[(Î·6-benzene)chlororuthenium(II)] chloroform disolvate. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, m1090-m1091.	0.2	6