Guillaume Izzet

List of Publications by Year
in descending order

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63 papers	2,956 citations	186265 28 h-index	161849 54 g-index
66 all docs	66 docs citations	66 times ranked	2948 citing authors

#	Article	IF	Citations
1	Functionalization and post-functionalization: a step towards polyoxometalate-based materials. Chemical Society Reviews, 2012, 41, 7605.	38.1	788
2	Rapid Energy Transfer in Cascade-Type Bodipy Dyes. Journal of the American Chemical Society, 2006, 128, 10868-10875.	13.7	145
3	Charge photo-accumulation and photocatalytic hydrogen evolution under visible light at an iridium(iii)-photosensitized polyoxotungstate. Energy and Environmental Science, 2013, 6, 1504.	30.8	138
4	Supramolecular assemblies of organo-functionalised hybrid polyoxometalates: from functional building blocks to hierarchical nanomaterials. Chemical Society Reviews, 2022, 51, 293-328.	38.1	103
5	Hierarchical Self-Assembly of Polyoxometalate-Based Hybrids Driven by Metal Coordination and Electrostatic Interactions: From Discrete Supramolecular Species to Dense Monodisperse Nanoparticles. Journal of the American Chemical Society, 2016, 138, 5093-5099.	13.7	94
6	Calix[6]tren and copper(II): A third generation of funnel complexes on the way to redox calix-zymes. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 6831-6836.	7.1	87
7	Elaboration of Covalently Linked Polyoxometalates with Ruthenium and Pyrene Chromophores and Characteriation of Their Photophysical Properties. Inorganic Chemistry, 2011, 50, 7761-7768.	4.0	80
8	Long lived charge separation in iridium(iii)-photosensitized polyoxometalates: synthesis, photophysical and computational studies of organometallicâ€“redox tunable oxide assemblies. Chemical Science, 2013, 4, 1737.	7.4	75
9	Dioxygen Activation at a Mononuclear Cu(I) Center Embedded in the Calix[6]arene-Tren Core. Journal of the American Chemical Society, 2008, 130, 9514-9523.	13.7	71
10	Hybrid Polyoxometalates: Keggin and Dawson Silyl Derivatives as Versatile Platforms. Journal of Organic Chemistry, 2011, 76, 3107-3112.	3.2	66
11	Elegant Approach to the Synthesis of a Unique Heteroleptic Cyclometalated Iridium(III)-Polyoxometalate Conjugate. Organometallics, 2012, 31, 35-38.	2.3	66
12	Photochromism and Dualâ€Color Fluorescence in a Polyoxometalateâ€“Benzospiropyran Molecular Switch. Angewandte Chemie - International Edition, 2017, 56, 4872-4876.	13.8	64
13	Straightforward synthesis of new polyoxometalate-based hybrids exemplified by the covalent bonding of a polypyridyl ligand. Chemical Communications, 2009, , 6062.	4.1	59
14	Tailorâ€“made Covalent Organicâ€Inorganic Polyoxometalate Hybrids: Versatile Platforms for the Elaboration of Functional Molecular Architectures. Chemical Record, 2017, 17, 250-266.	5.8	55
15	Cyclodextrinâ€Induced Autoâ€Healing of Hybrid Polyoxometalates. Angewandte Chemie - International Edition, 2012, 51, 487-490.	13.8	54
16	Drastic effects of the second coordination sphere on neutral vs. anionic guest binding to a biomimetic Cu(ii) center embedded in a calix[6]aza-cryptand. Chemical Communications, 2007, , 810-812.	4.1	52
17	Charge transfer interactions in self-assembled single walled carbon nanotubes/Dawsonâ€“Wells polyoxometalate hybrids. Chemical Science, 2014, 5, 4346-4354.	7.4	49
18	Rapid photoinduced charge injection into covalent polyoxometalateâ€“bodipy conjugates. Chemical Science, 2018, 9, 5578-5584.	7.4	43

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19	Electrografting of Diazoniumâ€Functionalized Polyoxometalates: Synthesis, Immobilisation and Electronâ€Transfer Characterisation from Glassy Carbon. Chemistry - A European Journal, 2013, 19, 13838-13846.	3.3	42
20	Enhancement of photovoltaic efficiency by insertion of a polyoxometalate layer at the anode of an organic solar cell. Inorganic Chemistry Frontiers, 2014, 1, 682-688.	6.0	39
21	Control of the Grafting of Hybrid Polyoxometalates on Metal and Carbon Surfaces: Toward Submonolayers. Langmuir, 2014, 30, 2287-2296.	3.5	39
22	Photochromic Properties of Polyoxotungstates with Grafted Spiropyran Molecules. Inorganic Chemistry, 2013, 52, 11156-11163.	4.0	38
23	A covalent polyoxomolybdate-based hybrid with remarkable electron reservoir properties. Chemical Communications, 2014, 50, 8575-8577.	4.1	37
24	Molecular signature of polyoxometalates in electron transport of silicon-based molecular junctions. Nanoscale, 2018, 10, 17156-17165.	5.6	37
25	Electrochemical Behavior of the Tris(pyridine)â^'Cu Funnel Complexes: An Overall Induced-Fit Process Involving an Entatic State through a Supramolecular Stress. Journal of the American Chemical Society, 2005, 127, 5280-5281.	13.7	35
26	Surface Organization of Polyoxometalate Hybrids Steered by a 2D Supramolecular PTCDI/Melamine Network. Journal of Physical Chemistry C, 2016, 120, 2837-2845.	3.1	30
27	Self-assembly study of nanometric spheres from polyoxometalate-phenylalanine hybrids, an experimental and theoretical approach. Dalton Transactions, 2018, 47, 6304-6313.	3.3	30
28	Control of the hierarchical self-assembly of polyoxometalate-based metallomacrocycles by redox trigger and solvent composition. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8895-8900.	7.1	30
29	Supramolecular Assemblies with Calix[6]arenes and Copper Ions:Â from Dinuclear to Trinuclear Linear Arrangements of Hydroxoâ^'Cu(II) Complexes. Inorganic Chemistry, 2006, 45, 1069-1077.	4.0	29
30	Direct observation of the fourth MLCT triplet state in ruthenium(ii) tris(2,2â€²-bipyridine). Physical Chemistry Chemical Physics, 2007, 9, 944-948.	2.8	28
31	First Insights into the Electronic Properties of a Cu(II) Center Embedded in the PN3Cap of a Calix[6]arene-Based Ligand. Inorganic Chemistry, 2007, 46, 375-377.	4.0	28
32	Insights into the binding properties of a cuprous ion embedded in the tren cap of a calix[6]arene and supramolecular trapping of an intermediate. Dalton Transactions, 2007, , 771.	3.3	28
33	X-ray Diffraction and EXAFS Studies of Hydroxoâ^'Cu(II) Complexes Based on a Calix[6]arene-N3Ligand:Â Evidence for a Mononuclearâ^'Dinuclear Equilibrium Controlled by Supramolecular Features. Inorganic Chemistry, 2005, 44, 9743-9751.	4.0	27
34	Evidence for Charge Transfer at the Interface between Hybrid Phosphomolybdate and Epitaxial Graphene. Langmuir, 2016, 32, 4774-4783.	3.5	27
35	Charge transport through redox active [H₇P₈W₄₈O₁₈₄]^{33â^'} polyoxometalates self-assembled onto gold surfaces and gold nanodots. Nanoscale, 2019, 11, 1863-1878.	5.6	25
36	A new synthetic route towards a Ru(III) substituted heteropolytungstate anion. Inorganic Chemistry Communication, 2009, 12, 1042-1044.	3.9	24

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37	Versatile Postâ€functionalization of Polyoxometalate Platforms By Using An Unprecedented Range of Palladiumâ€Catalyzed Coupling Reactions. Chemistry - A European Journal, 2013, 19, 12607-12612.	3.3	20
38	Electron Transfer to Covalently Immobilized Keggin Polyoxotungstates on Gold. Langmuir, 2014, 30, 4509-4516.	3.5	19
39	Metalâ€Directed Selfâ€Assembly of a Polyoxometalateâ€Based Molecular Triangle: Using Powerful Analytical Tools to Probe the Chemical Structure of Complex Supramolecular Assemblies. Chemistry - A European Journal, 2015, 21, 19010-19015.	3.3	19
40	Charge Effect on the Formation of Polyoxometalate-Based Supramolecular Polygons Driven by Metal Coordination. Inorganic Chemistry, 2017, 56, 8490-8496.	4.0	19
41	Tuning Photoinduced Electron Transfer in POMâ€Bodipy Hybrids by Controlling the Environment: Experiment and Theory. Angewandte Chemie - International Edition, 2021, 60, 6518-6525.	13.8	19
42	Synthesis of a redox-active molecular switch based on dibenzo[1,2]dithiine. Tetrahedron Letters, 2006, 47, 9135-9138.	1.4	15
43	Electron Transfer to a Phosphomolybdate Monolayer on Glassy Carbon: Ambivalent Effect of Protonation. Inorganic Chemistry, 2016, 55, 6929-6937.	4.0	15
44	Exploring the self-assembly of dumbbell-shaped polyoxometalate hybrids, from molecular building units to nanostructured soft materials. Chemical Science, 2020, 11, 11072-11080.	7.4	15
45	Dye-Sensitized Photocathodes: Boosting Photoelectrochemical Performances with Polyoxometalate Electron Transfer Mediators. ACS Applied Energy Materials, 2020, 3, 163-169.	5.1	14
46	Photophysical Properties of Ruthenium(II) Tris(2,2â€˜-bipyridine) Complexes Bearing Conjugated Thiophene Appendages. Inorganic Chemistry, 2006, 45, 9729-9741.	4.0	13
47	Photocurrent generation from visible light irradiation of covalent polyoxometalateâ€“porphyrin copolymers. Electrochimica Acta, 2021, 368, 137635.	5.2	13
48	Photoactive Organic/Inorganic Hybrid Materials with Nanosegregated Donorâ€“Acceptor Arrays. Angewandte Chemie - International Edition, 2021, 60, 8419-8424.	13.8	13
49	Covalent Grafting of Polyoxometalate Hybrids onto Flat Silicon/Silicon Oxide: Insights from POMs Layers on Oxides. ACS Applied Materials & Interfaces, 2020, 12, 48109-48123.	8.0	12
50	A calibration framework for the determination of accurate collision cross sections of polyanions using polyoxometalate standards. Rapid Communications in Mass Spectrometry, 2018, 32, 1703-1710.	1.5	11
51	Photochromism and Dualâ€Color Fluorescence in a Polyoxometalateâ€“Benzospiropyran Molecular Switch. Angewandte Chemie, 2017, 129, 4950-4954.	2.0	10
52	Conductivity via Thermally Induced Gap States in a Polyoxometalate Thin Layer. Journal of Physical Chemistry C, 2019, 123, 1922-1930.	3.1	10
53	Hierarchical Self-Assembly of Polyoxometalate-Based Organo Palladium(II) Metallomacrocycles via Electrostatic Interactions. Inorganic Chemistry, 2020, 59, 2458-2463.	4.0	10
54	Acid-triggering of light-induced charge-separation in hybrid organic/inorganic molecular photoactive dyads for harnessing solar energy. Inorganic Chemistry Frontiers, 2021, 8, 1610-1618.	6.0	9

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55	Polarizability is a key parameter for molecular electronics. Nanoscale Horizons, 2021, 6, 271-276.	8.0	9
56	Thermodynamics, Electrode Kinetics, and Mechanistic Nuances Associated with the Voltammetric Reduction of Dissolved [n-Bu4N]4[PW11O39{Sn(C6H4)Câ‰¡C(C6H4)(N3C4H10)}] and a Surface-Confined Diazonium Derivative. ACS Applied Energy Materials, 2020, 3, 3991-4006.	5.1	8
57	Tuning Photoinduced Electron Transfer in POMâ€Bodipy Hybrids by Controlling the Environment: Experiment and Theory. Angewandte Chemie, 2021, 133, 6592-6599.	2.0	4
58	Photoactive Organic/Inorganic Hybrid Materials with Nanosegregated Donorâ€“Acceptor Arrays. Angewandte Chemie, 2021, 133, 8500-8505.	2.0	3
59	When Identification of the Reduction Sites in Mixed Molybdenum/Tungsten Keggin-Type Polyoxometalate Hybrids Turns Out Tricky. Inorganic Chemistry, 2022, 61, 7700-7709.	4.0	3
60	Electrochemical Behavior of Calix[6]Arene-Based Supramolecular Models of Copper Enzymes. ECS Transactions, 2007, 6, 15-19.	0.5	0
61	InnenrÃ¼cktitelbild: Cyclodextrin-Induced Auto-Healing of Hybrid Polyoxometalates (Angew. Chem.) Tj ETQq1 1 0.784314 rgBT /Ove	2.0	0
62	Inside Back Cover: Cyclodextrin-Induced Auto-Healing of Hybrid Polyoxometalates (Angew. Chem. Int.) Tj ETQq0 0 0 rgBT /Overlock 10 T	13.8	0
63	Lennard-Jones interaction parameters of Mo and W in He and N₂ from collision cross-sections of Lindqvist and Keggin polyoxometalate anions. Physical Chemistry Chemical Physics, 0, , .	2.8	0