

Guillaume Izzet

List of Publications by Year in descending order

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papers

2,956
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186265

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docs citations

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times ranked

2948
citing authors

#	ARTICLE	IF	CITATIONS
1	Supramolecular assemblies of organo-functionalised hybrid polyoxometalates: from functional building blocks to hierarchical nanomaterials. <i>Chemical Society Reviews</i> , 2022, 51, 293-328.	38.1	103
2	When Identification of the Reduction Sites in Mixed Molybdenum/Tungsten Keggin-Type Polyoxometalate Hybrids Turns Out Tricky. <i>Inorganic Chemistry</i> , 2022, 61, 7700-7709.	4.0	3
3	Tuning Photoinduced Electron Transfer in POM@Bodipy Hybrids by Controlling the Environment: Experiment and Theory. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6518-6525.	13.8	19
4	Acid-triggering of light-induced charge-separation in hybrid organic/inorganic molecular photoactive dyads for harnessing solar energy. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 1610-1618.	6.0	9
5	Polarizability is a key parameter for molecular electronics. <i>Nanoscale Horizons</i> , 2021, 6, 271-276.	8.0	9
6	Tuning Photoinduced Electron Transfer in POM@Bodipy Hybrids by Controlling the Environment: Experiment and Theory. <i>Angewandte Chemie</i> , 2021, 133, 6592-6599.	2.0	4
7	Photocurrent generation from visible light irradiation of covalent polyoxometalate@porphyrin copolymers. <i>Electrochimica Acta</i> , 2021, 368, 137635.	5.2	13
8	Photoactive Organic/Inorganic Hybrid Materials with Nanosegregated Donor@Acceptor Arrays. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8419-8424.	13.8	13
9	Photoactive Organic/Inorganic Hybrid Materials with Nanosegregated Donor@Acceptor Arrays. <i>Angewandte Chemie</i> , 2021, 133, 8500-8505.	2.0	3
10	Dye-Sensitized Photocathodes: Boosting Photoelectrochemical Performances with Polyoxometalate Electron Transfer Mediators. <i>ACS Applied Energy Materials</i> , 2020, 3, 163-169.	5.1	14
11	Exploring the self-assembly of dumbbell-shaped polyoxometalate hybrids, from molecular building units to nanostructured soft materials. <i>Chemical Science</i> , 2020, 11, 11072-11080.	7.4	15
12	Thermodynamics, Electrode Kinetics, and Mechanistic Nuances Associated with the Voltammetric Reduction of Dissolved [n-Bu ₄ N] ₄ [PW ₁₁ O ₃₉ {Sn(C ₆ H ₄) ₂ C(C ₆ H ₄)(N ₃ C ₄ H ₁₀)}] and a Surface-Confined Diazonium Derivative. <i>ACS Applied Energy Materials</i> , 2020, 3, 3991-4006.	5.1	8
13	Hierarchical Self-Assembly of Polyoxometalate-Based Organo Palladium(II) Metallomacrocycles via Electrostatic Interactions. <i>Inorganic Chemistry</i> , 2020, 59, 2458-2463.	4.0	10
14	Covalent Grafting of Polyoxometalate Hybrids onto Flat Silicon/Silicon Oxide: Insights from POMs Layers on Oxides. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 48109-48123.	8.0	12
15	Charge transport through redox active [H ₇ P ₈ W ₄₈ O ₁₈₄] ³³⁺ polyoxometalates self-assembled onto gold surfaces and gold nanodots. <i>Nanoscale</i> , 2019, 11, 1863-1878.	5.6	25
16	Conductivity via Thermally Induced Gap States in a Polyoxometalate Thin Layer. <i>Journal of Physical Chemistry C</i> , 2019, 123, 1922-1930.	3.1	10
17	Self-assembly study of nanometric spheres from polyoxometalate-phenylalanine hybrids, an experimental and theoretical approach. <i>Dalton Transactions</i> , 2018, 47, 6304-6313.	3.3	30
18	Molecular signature of polyoxometalates in electron transport of silicon-based molecular junctions. <i>Nanoscale</i> , 2018, 10, 17156-17165.	5.6	37

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19	Rapid photoinduced charge injection into covalent polyoxometalate–bodipy conjugates. <i>Chemical Science</i> , 2018, 9, 5578-5584.	7.4	43
20	A calibration framework for the determination of accurate collision cross sections of polyanions using polyoxometalate standards. <i>Rapid Communications in Mass Spectrometry</i> , 2018, 32, 1703-1710.	1.5	11
21	Control of the hierarchical self-assembly of polyoxometalate-based metallomacrocycles by redox trigger and solvent composition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 8895-8900.	7.1	30
22	Photochromism and Dual-Color Fluorescence in a Polyoxometalate–Benzospiropyran Molecular Switch. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4872-4876.	13.8	64
23	Photochromism and Dual-Color Fluorescence in a Polyoxometalate–Benzospiropyran Molecular Switch. <i>Angewandte Chemie</i> , 2017, 129, 4950-4954.	2.0	10
24	Charge Effect on the Formation of Polyoxometalate-Based Supramolecular Polygons Driven by Metal Coordination. <i>Inorganic Chemistry</i> , 2017, 56, 8490-8496.	4.0	19
25	Tailor-made Covalent Organic–Inorganic Polyoxometalate Hybrids: Versatile Platforms for the Elaboration of Functional Molecular Architectures. <i>Chemical Record</i> , 2017, 17, 250-266.	5.8	55
26	Hierarchical Self-Assembly of Polyoxometalate-Based Hybrids Driven by Metal Coordination and Electrostatic Interactions: From Discrete Supramolecular Species to Dense Monodisperse Nanoparticles. <i>Journal of the American Chemical Society</i> , 2016, 138, 5093-5099.	13.7	94
27	Evidence for Charge Transfer at the Interface between Hybrid Phosphomolybdate and Epitaxial Graphene. <i>Langmuir</i> , 2016, 32, 4774-4783.	3.5	27
28	Electron Transfer to a Phosphomolybdate Monolayer on Glassy Carbon: Ambivalent Effect of Protonation. <i>Inorganic Chemistry</i> , 2016, 55, 6929-6937.	4.0	15
29	Surface Organization of Polyoxometalate Hybrids Steered by a 2D Supramolecular PTCDI/Melamine Network. <i>Journal of Physical Chemistry C</i> , 2016, 120, 2837-2845.	3.1	30
30	Metal-Directed Self-Assembly of a Polyoxometalate-Based Molecular Triangle: Using Powerful Analytical Tools to Probe the Chemical Structure of Complex Supramolecular Assemblies. <i>Chemistry - A European Journal</i> , 2015, 21, 19010-19015.	3.3	19
31	Enhancement of photovoltaic efficiency by insertion of a polyoxometalate layer at the anode of an organic solar cell. <i>Inorganic Chemistry Frontiers</i> , 2014, 1, 682-688.	6.0	39
32	Control of the Grafting of Hybrid Polyoxometalates on Metal and Carbon Surfaces: Toward Submonolayers. <i>Langmuir</i> , 2014, 30, 2287-2296.	3.5	39
33	Electron Transfer to Covalently Immobilized Keggin Polyoxotungstates on Gold. <i>Langmuir</i> , 2014, 30, 4509-4516.	3.5	19
34	Charge transfer interactions in self-assembled single walled carbon nanotubes/Dawson–Wells polyoxometalate hybrids. <i>Chemical Science</i> , 2014, 5, 4346-4354.	7.4	49
35	A covalent polyoxomolybdate-based hybrid with remarkable electron reservoir properties. <i>Chemical Communications</i> , 2014, 50, 8575-8577.	4.1	37
36	Electrografting of Diazonium-Functionalized Polyoxometalates: Synthesis, Immobilisation and Electron-Transfer Characterisation from Glassy Carbon. <i>Chemistry - A European Journal</i> , 2013, 19, 13838-13846.	3.3	42

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37	Long lived charge separation in iridium(III)-photosensitized polyoxometalates: synthesis, photophysical and computational studies of organometallic-redox tunable oxide assemblies. <i>Chemical Science</i> , 2013, 4, 1737.	7.4	75
38	Photochromic Properties of Polyoxotungstates with Grafted Spiropyran Molecules. <i>Inorganic Chemistry</i> , 2013, 52, 11156-11163.	4.0	38
39	Charge photo-accumulation and photocatalytic hydrogen evolution under visible light at an iridium(III)-photosensitized polyoxotungstate. <i>Energy and Environmental Science</i> , 2013, 6, 1504.	30.8	138
40	Versatile Post-functionalization of Polyoxometalate Platforms By Using An Unprecedented Range of Palladium-Catalyzed Coupling Reactions. <i>Chemistry - A European Journal</i> , 2013, 19, 12607-12612.	3.3	20
41	Functionalization and post-functionalization: a step towards polyoxometalate-based materials. <i>Chemical Society Reviews</i> , 2012, 41, 7605.	38.1	788
42	Elegant Approach to the Synthesis of a Unique Heteroleptic Cyclometalated Iridium(III)-Polyoxometalate Conjugate. <i>Organometallics</i> , 2012, 31, 35-38.	2.3	66
43	Innenrücktitelbild: Cyclodextrin-Induced Auto-Healing of Hybrid Polyoxometalates (<i>Angew. Chem.</i>) Tj ETQq1 1 0.784314 rgBT /Over	2.0	0
44	Cyclodextrin-Induced Auto-Healing of Hybrid Polyoxometalates. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 487-490.	13.8	54
45	Inside Back Cover: Cyclodextrin-Induced Auto-Healing of Hybrid Polyoxometalates (<i>Angew. Chem. Int.</i>) Tj ETQq1 1 0.784314 rgBT /Over	13.8	54
46	Hybrid Polyoxometalates: Keggin and Dawson Silyl Derivatives as Versatile Platforms. <i>Journal of Organic Chemistry</i> , 2011, 76, 3107-3112.	3.2	66
47	Elaboration of Covalently Linked Polyoxometalates with Ruthenium and Pyrene Chromophores and Characteriation of Their Photophysical Properties. <i>Inorganic Chemistry</i> , 2011, 50, 7761-7768.	4.0	80
48	A new synthetic route towards a Ru(III) substituted heteropolytungstate anion. <i>Inorganic Chemistry Communication</i> , 2009, 12, 1042-1044.	3.9	24
49	Straightforward synthesis of new polyoxometalate-based hybrids exemplified by the covalent bonding of a polypyridyl ligand. <i>Chemical Communications</i> , 2009, , 6062.	4.1	59
50	Dioxygen Activation at a Mononuclear Cu(I) Center Embedded in the Calix[6]arene-Tren Core. <i>Journal of the American Chemical Society</i> , 2008, 130, 9514-9523.	13.7	71
51	Electrochemical Behavior of Calix[6]Arene-Based Supramolecular Models of Copper Enzymes. <i>ECS Transactions</i> , 2007, 6, 15-19.	0.5	0
52	Direct observation of the fourth MLCT triplet state in ruthenium(II) tris(2,2'-bipyridine). <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 944-948.	2.8	28
53	First Insights into the Electronic Properties of a Cu(II) Center Embedded in the PN3Cap of a Calix[6]arene-Based Ligand. <i>Inorganic Chemistry</i> , 2007, 46, 375-377.	4.0	28
54	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. <i>Dalton Transactions</i> , 2007, , 771.	3.3	28

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55	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. <i>Chemical Communications</i> , 2007, , 810-812.	4.1	52
56	Supramolecular Assemblies with Calix[6]arenes and Copper Ions: From Dinuclear to Trinuclear Linear Arrangements of Hydroxo ⁺ Cu(II) Complexes. <i>Inorganic Chemistry</i> , 2006, 45, 1069-1077.	4.0	29
57	Rapid Energy Transfer in Cascade-Type Bodipy Dyes. <i>Journal of the American Chemical Society</i> , 2006, 128, 10868-10875.	13.7	145
58	Photophysical Properties of Ruthenium(II) Tris(2,2'-bipyridine) Complexes Bearing Conjugated Thiophene Appendages. <i>Inorganic Chemistry</i> , 2006, 45, 9729-9741.	4.0	13
59	Synthesis of a redox-active molecular switch based on dibenzo[1,2]dithiine. <i>Tetrahedron Letters</i> , 2006, 47, 9135-9138.	1.4	15
60	Calix[6]tren and copper(II): A third generation of funnel complexes on the way to redox calix-zymes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 6831-6836.	7.1	87
61	Electrochemical Behavior of the Tris(pyridine) ⁺ Cu Funnel Complexes: An Overall Induced-Fit Process Involving an Entatic State through a Supramolecular Stress. <i>Journal of the American Chemical Society</i> , 2005, 127, 5280-5281.	13.7	35
62	X-ray Diffraction and EXAFS Studies of Hydroxo ⁺ Cu(II) Complexes Based on a Calix[6]arene-N ₃ Ligand: Evidence for a Mononuclear ⁺ Dinuclear Equilibrium Controlled by Supramolecular Features. <i>Inorganic Chemistry</i> , 2005, 44, 9743-9751.	4.0	27
63	Lennard-Jones interaction parameters of Mo and W in He and N ₂ from collision cross-sections of Lindqvist and Keggin polyoxometalate anions. <i>Physical Chemistry Chemical Physics</i> , 0, , .	2.8	0