

Emmanuel Cadot

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9161926/publications.pdf>

Version: 2024-02-01

51
papers

1,470
citations

257450

24
h-index

330143

37
g-index

51
all docs

51
docs citations

51
times ranked

1117
citing authors

#	ARTICLE	IF	CITATIONS
1	Polyoxometalate, Cationic Cluster, and β -Cyclodextrin: From Primary Interactions to Supramolecular Hybrid Materials. <i>Journal of the American Chemical Society</i> , 2017, 139, 12793-12803.	13.7	137
2	A building block strategy to access sulfur-functionalized polyoxometalate based systems using $\{Mo_2S_2O_2\}$ and $\{Mo_3S_4\}$ as constitutional units, linkers or templates. <i>Chemical Society Reviews</i> , 2012, 41, 7335.	38.1	96
3	Nonconventional Three-Component Hierarchical Host-Guest Assembly Based on Mo-Blue Ring-Shaped Giant Anion, β -Cyclodextrin, and Dawson-type Polyoxometalate. <i>Journal of the American Chemical Society</i> , 2017, 139, 14376-14379.	13.7	81
4	Probing Dynamic Library of Metal-Oxo Building Blocks with β -Cyclodextrin. <i>Journal of the American Chemical Society</i> , 2018, 140, 11198-11201.	13.7	72
5	Polyoxometalates Paneling through $\{Mo_2O_2S_2\}$ Coordination: Cation-Directed Conformations and Chemistry of a Supramolecular Hexameric Scaffold. <i>Journal of the American Chemical Society</i> , 2012, 134, 1724-1737.	13.7	67
6	Cubic Box versus Spheroidal Capsule Built from Defect and Intact Pentagonal Units. <i>Journal of the American Chemical Society</i> , 2012, 134, 19342-19345.	13.7	59
7	Capture of the $[Mo_3S_4]^{4+}$ Cluster within a $\{Mo_{18}\}$ Macrocyclic Yielding a Supramolecular Assembly Stabilized by a Dynamic H-Bond Network. <i>Journal of the American Chemical Society</i> , 2010, 132, 2069-2077.	13.7	53
8	Syntheses and multinuclear NMR characterizations of α - $[SiMo_2W_9O_{39}]^{8-}$ and α - $[SiMo_3-xV_xW_9O_{40}]^{(4+x)-}$ ($x = 1, 2$) heteropolyoxometalates. <i>Inorganic Chemistry</i> , 1992, 31, 4128-4133.	4.0	52
9	$[Mo_{10}S_{10}O_{10}(OH)_{10}(H_2O)_5]$: a novel decameric molecular ring showing supramolecular properties. <i>Chemical Communications</i> , 2000, , 261-262.	4.1	51
10	Cyclic molecular materials based on $[M_2O_2S_2]_2$ +cores (M = Mo or W). <i>Chemical Communications</i> , 2002, , 2189-2197.	4.1	49
11	Host-Guest Binding Hierarchy within Redox- and Luminescence-Responsive Supramolecular Self-Assembly Based on Chalcogenide Clusters and β -Cyclodextrin. <i>Chemistry - A European Journal</i> , 2018, 24, 13467-13478.	3.3	43
12	Hydrophobic Effect as a Driving Force for Host-Guest Chemistry of a Multi-Receptor Keplerate-Type Capsule. <i>Journal of the American Chemical Society</i> , 2015, 137, 5845-5851.	13.7	42
13	α -Host in Host-Supramolecular Core-Shell Type Systems Based on Giant Ring-Shaped Polyoxometalates. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 14146-14153.	13.8	41
14	Chaotropic Effect as an Assembly Motif to Construct Supramolecular Cyclodextrin-Polyoxometalate-Based Frameworks. <i>Journal of the American Chemical Society</i> , 2022, 144, 4469-4477.	13.7	38
15	Hofmeister effect in the Keggin-type polyoxotungstate series. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 12-25.	6.0	35
16	Selective Inclusion of Cu^+ and Ag^+ Electron-Rich Metallic Cations within Supramolecular Polyoxometalates Based on $\{AsW_9O_{33}\}\{Mo_3S_4\}$ Combinations. <i>Chemistry - A European Journal</i> , 2008, 14, 3457-3466.	3.3	34
17	A Decade of Oxothiomolybdenum Wheels: Synthesis, Behavior in Solution, and Electrocatalytic Properties. <i>Israel Journal of Chemistry</i> , 2011, 51, 290-302.	2.3	34
18	Molecular and Material Engineering of Photocathodes Derivatized with Polyoxometalate-Supported $\{Mo_3S_4\}$ HER Catalysts. <i>Journal of the American Chemical Society</i> , 2019, 141, 11954-11962.	13.7	34

#	ARTICLE	IF	CITATIONS
19	Oxothiomolybdenum Derivatives of the Superlacunary Crown Heteropolyanion {P ₈ W ₄₈ }: Structure of [K ₄ {Mo ₄ O ₄ S ₄ (H ₂ O) ₃ (OH) ₂ } ₂] and Studies in Solution. <i>Inorganic Chemistry</i> , 2012, 51, 2349-2358.	4.0	32
20	Synthesis, X-ray and Neutron Diffraction Characterization, and Ionic Conduction Properties of a New Oxothiomolybdate Li ₃ [Mo ₈ S ₈ O ₈ (OH) ₈ {H ₂ O}]·18 H ₂ O. <i>Chemistry - A European Journal</i> , 2002, 8, 349-356.	3.3	31
21	Incorporation of Molybdenum Sulfide Cluster Units into a Dawson-Like Polyoxometalate Structure To Give Hybrid Polythiooxometalates. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 1465-1468.	13.8	26
22	Supramolecular Assembly of Gelatin and Inorganic Polyanions: Fine-Tuning the Mechanical Properties of Nanocomposites by Varying Their Composition and Microstructure. <i>Chemistry of Materials</i> , 2015, 27, 1452-1464.	6.7	25
23	Tuning the chaotropic effect as an assembly motif through one-electron transfer in a rhenium cluster. <i>Chemical Communications</i> , 2019, 55, 9951-9954.	4.1	25
24	Size-Exclusion Mechanism Driving Host-Guest Interactions between Octahedral Rhenium Clusters and Cyclodextrins. <i>Inorganic Chemistry</i> , 2019, 58, 13184-13194.	4.0	24
25	Discovery and Supramolecular Interactions of Neutral Palladium-Oxo Clusters Pd ₁₆ and Pd ₂₄ . <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3632-3639.	13.8	24
26	A Monovacant Heteropolytungstate Thioderivative: Synthesis and Characterization of [(PW ₁₁ O ₃₉) ₂ (H ₄ Mo ₄ S ₄ O ₆)] ¹⁰⁻ and Related Isomers. <i>Inorganic Chemistry</i> , 2003, 42, 3609-3615.	4.0	21
27	A New Oxomolybdate Component Extracted from the Virtual Dynamic Library Yielding the Macrocyclic Anion [(Mo ₈ O ₂₈) ₄ (Mo ₂ O ₂ S ₂) ₄] ²⁴⁻ . <i>Inorganic Chemistry</i> , 2010, 49, 9740-9742.	4.0	18
28	Cyclodextrin-Assisted Hierarchical Aggregation of Dawson-type Polyoxometalate in the Presence of {Re ₆ Se ₈ } Based Clusters. <i>Inorganic Chemistry</i> , 2020, 59, 11396-11406.	4.0	18
29	From supramolecular to solid state chemistry: crystal engineering of luminescent materials by trapping molecular clusters in an aluminium-based host matrix. <i>Materials Horizons</i> , 2020, 7, 2399-2406.	12.2	17
30	Redox-Responsive Host-Guest Association between β -Cyclodextrin and Mixed-Metal Keggin-Type Polyoxometalates. <i>Inorganic Chemistry</i> , 2021, 60, 7433-7441.	4.0	16
31	Discovery of a Neutral 40-Pd ^{II} -Oxo Molecular Disk, [Pd ₄₀ O ₂₄ (OH) ₁₆ {(CH ₃) ₂ AsO ₂ } ₁₆]: Synthesis, Structural Characterization, and Catalytic Studies. <i>Inorganic Chemistry</i> , 2021, 60, 17339-17347.	4.0	16
32	Tracking Apolar-NMe ₄ ⁺ Ions within Two Polyoxothiomolybdates that Have the Same Pores: Smaller Clathrate and Larger Highly Porous Clusters in Action. <i>Chemistry - A European Journal</i> , 2014, 20, 3097-3105.	3.3	14
33	Encapsulation of Chaotropic <i>cis</i> -Decahydrodecaborate Clusters Within Cyclodextrins: Synthesis, Solution Studies, and DFT Calculations. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 3373-3382.	2.0	14
34	Polyoxothiometalate-Derivatized Silicon Photocathodes for Sunlight-Driven Hydrogen Evolution Reaction. <i>ACS Omega</i> , 2018, 3, 13837-13849.	3.5	13
35	Host-Guest Complexation Between Cyclodextrins and Hybrid Hexavanadates: What are the Driving Forces?. <i>Chemistry - A European Journal</i> , 2021, 27, 15516-15527.	3.3	13
36	Improvement of the Hydrolytic Stability of the Keggin Molybdo- and Tungsto-Phosphate Anions by Cyclodextrins. <i>Inorganic Chemistry</i> , 2022, 61, 4193-4203.	4.0	13

#	ARTICLE	IF	CITATIONS
37	Supramolecular Adduct of β -Cyclodextrin and $[\{Re_6Q_8\}(H_2O)_6]^{2+}$ (Q=S, Se). <i>Journal of Cluster Science</i> , 2018, 29, 9-13.	3.3	12
38	Electrocatalytic properties of $\{Mo_3S_4\}$ -based complexes with regard to the hydrogen evolution reaction and application to PEM water electrolysis. <i>Materials Advances</i> , 2020, 1, 430-440.	5.4	11
39	Discovery and Supramolecular Interactions of Neutral Palladium-Oxo Clusters Pd 16 and Pd 24. <i>Angewandte Chemie</i> , 2021, 133, 3676-3683.	2.0	9
40	From Specific β -CD/ $[Nb_6Cl_{12}(H_2O)_6]^{2+}$ Recognition to Biological Activity Tuning. <i>Chemistry - A European Journal</i> , 2020, 26, 7479-7485.	3.3	8
41	Supramolecular Association between β -Cyclodextrin and Preyssler-Type Polyoxotungstate. <i>Molecules</i> , 2021, 26, 5126.	3.8	8
42	Synthesis, Structure, and Behavior in Solution of the Dawson Thio Derivative $[(P_2W_{17}O_{61})_2(H_4Mo_4S_4O_6)]^{16-}$. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 3523-3528.	2.0	7
43	pH-Controlled One Pot Syntheses of Giant $Mo_2O_2S_2$ -Containing Seleno-Tungstate Architectures. <i>Inorganic Chemistry</i> , 2018, 57, 56-63.	4.0	7
44	Time-Resolved Spectroscopy and High-Efficiency Light-Driven Hydrogen Evolution of a $\{Mo_3S_4\}$ -Containing Polyoxometalate-Based System. <i>Chemistry - A European Journal</i> , 2021, 27, 17094-17103.	3.3	7
45	Synthesis and Characterization of $[Mo_3S_4(NDABu)(HNDABu)_2]^{3-}$ and $[Mo_3S_4(HNDAPr)_3]^{2-}$ Anions as Building Blocks for Organic-Inorganic Hybrid Solids. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 1149-1156.	2.0	6
46	Cyclodextrin-Driven Formation of Double Six-Ring (D6R) Silicate Cage: NMR Spectroscopic Characterization from Solution to Crystals. <i>Crystals</i> , 2018, 8, 457.	2.2	6
47	Host in Host-Supramolecular Core-Shell Type Systems Based on Giant Ring-Shaped Polyoxometalates. <i>Angewandte Chemie</i> , 2021, 133, 14265-14272.	2.0	5
48	Investigation of the protonation state of the macrocyclic $\{H_nP_8W_{48}O_{184}\}$ anion by modeling ^{183}W NMR chemical shifts. <i>New Journal of Chemistry</i> , 2017, 41, 6112-6119.	2.8	3
49	Host-Guest Binding Hierarchy within Redox- and Luminescence-Responsive Supramolecular Self-Assembly Based on Chalcogenide Clusters and β -Cyclodextrin. <i>Chemistry - A European Journal</i> , 2018, 24, 13382-13382.	3.3	1
50	Synthesis of giant $Mo_2O_2S_2$ -containing seleno-tungstate architectures: New multisite cation receptors. <i>Polyhedron</i> , 2020, 175, 114233.	2.2	1
51	Revisiting the Three Vanadium Sandwich-Type Polyoxometalates: Structures, Solution Behavior, and Redox Properties. <i>Inorganic Chemistry</i> , 2022, 61, 8309-8319.	4.0	1