stphane Cordier

List of Publications by Year in Descending Order

224 papers	4,711 citations	40 h-index	55 g-index
258 ext. papers	5,297 ext. citations	5.2 avg, IF	5.35 L-index

#	Paper	IF	Citations
224	Reentrant structural and optical properties of organic–inorganic hybrid metal cluster compound ((n-C4H9)4N)2[Mo6Bri8Bra6]. *CrystEngComm*, **2022**, 24, 465-470	3.3	0
223	Surface Plasmon Tunability of Core-Shell Au@Mo Nanoparticles by Shell Thickness Modification.. *Journal of Physical Chemistry Letters*, **2022**, 2150-2157	6.4	1
222	"Host in Host" Supramolecular Core–Shell Type Systems Based on Giant Ring-Shaped Polyoxometalates. *Angewandte Chemie*, **2021**, 133, 14265-14272	3.6	1
221	Expanding the Toolbox of Octahedral Molybdenum Clusters and Nanocomposites Made Thereof: Evidence of Two-Photon Absorption Induced NIR Emission and Singlet Oxygen Production. *Inorganic Chemistry*, **2021**, 60, 5446-5451	5.1	4
220	Synthesis, Structure, and Spectroscopic Study of Redox-Active Heterometallic Cluster-Based Complexes [ReMoSe(CN)]. *Inorganic Chemistry*, **2021**, 60, 8838-8850	5.1	0
219	Molybdenum cluster loaded PLGA nanoparticles as efficient tools against epithelial ovarian cancer. *International Journal of Pharmaceutics*, **2021**, 592, 120079	6.5	10
218	Evidencing ((-CH)N)[WI] red-NIR emission and singlet oxygen generation by two photon absorption. *Chemical Communications*, **2021**, 57, 4003-4006	5.8	2
217	Facile and scalable design of light-emitting and ROS-generating hybrid materials made of polyurea gels embedding a molybdenum cluster-based salt. *Dalton Transactions*, **2021**, 50, 8907-8916	4.3	1
216	Revisiting properties of edge-bridged bromide tantalum clusters in the solid-state, in solution and vice versa: an intertwined experimental and modelling approach. *Dalton Transactions*, **2021**, 50, 8002-8016	4.3	3
215	Poly(dimethylsiloxane) functionalized with complementary organic and inorganic emitters for the design of white emissive waveguides. *Journal of Materials Chemistry C*, **2021**, 9, 7094-7102	7.1	3
214	Structural and electronic properties of the metal cluster-based compounds including high concentration of solvent molecules. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2021**, 647, 751-758	1.3	2
213	"Host in Host" Supramolecular Core-Shell Type Systems Based on Giant Ring-Shaped Polyoxometalates. *Angewandte Chemie - International Edition*, **2021**, 60, 14146-14153	16.4	14
212	From molecules to nanovectors: Current state of the art and applications of photosensitizers in photodynamic therapy. *International Journal of Pharmaceutics*, **2021**, 604, 120763	6.5	8
211	Tunable photo-induced electronic property of octahedral metal clusters. *Materials Letters: X*, **2021**, 11, 100079	0.5	
210	Synthesis of novel hexamolybdenum cluster-functionalized copper hydroxide nanocomposites and its catalytic activity for organic molecule degradation. *Science and Technology of Advanced Materials*, **2021**, 22, 758-771	7.1	1
209	Original Synthesis of Molybdenum Nitrides Using Metal Cluster Compounds as Precursors: Applications in Heterogeneous Catalysis. *Chemistry of Materials*, **2020**, 32, 6026-6034	9.6	5
208	Self-erasable inkless imprinting using a dual emitting hybrid organic-inorganic material. *Materials Today*, **2020**, 35, 34-41	21.8	12

207	From supramolecular to solid state chemistry: crystal engineering of luminescent materials by trapping molecular clusters in an aluminium-based host matrix. *Materials Horizons*, **2020**, 7, 2399-2406	14.4	8
206	Switchable Two-Dimensional Waveguiding Abilities of Luminescent Hybrid Nanocomposites for Active Solar Concentrators. *ACS Applied Materials & Interfaces*, **2020**, 12, 14400-14407	9.5	16
205	PLGA nanoparticles embedding molybdenum cluster salts: Influence of chemical composition on physico-chemical properties, encapsulation efficiencies, colloidal stabilities and in vitro release. *International Journal of Pharmaceutics*, **2020**, 576, 119025	6.5	10
204	Structure, microstructure and thermoelectric properties of germanite-type Cu22Fe8Ge4S32 compounds. *Journal of Alloys and Compounds*, **2020**, 831, 154767	5.7	6
203	Direct evidence of weakly dispersed and strongly anharmonic optical phonons in hybrid perovskites. *Communications Physics*, **2020**, 3,	5.4	22
202	Preparation and characterization of hollow silica nanocomposite functionalized with UV absorbable molybdenum cluster. *Advanced Powder Technology*, **2020**, 31, 895-903	4.6	3
201	Zn-Al layered double hydroxide-based nanocomposite functionalized with an octahedral molybdenum cluster exhibiting prominent photoactive and oxidation properties. *Applied Clay Science*, **2020**, 196, 105765	5.2	9
200	Cyclodextrin-Assisted Hierarchical Aggregation of Dawson-type Polyoxometalate in the Presence of {ReSe} Based Clusters. *Inorganic Chemistry*, **2020**, 59, 11396-11406	5.1	5
199	Time-Resolved In Situ Neutron Diffraction Study of Cu22Fe8Ge4S32 Germanite: A Guide for the Synthesis of Complex Chalcogenides. *Chemistry of Materials*, **2020**, 32, 8993-9000	9.6	2
198	Zn-Al Layered Double Hydroxide Film Functionalized by a Luminescent Octahedral Molybdenum Cluster: Ultraviolet-Visible Photoconductivity Response. *ACS Applied Materials & Interfaces*, **2020**, 12, 40495-40509	9.5	8
197	Crystal Structure of a New Ordered form of Ammonium Hydrogen Succinate NH4HC4H4O4. *Journal of Chemical Crystallography*, **2020**, 50, 35-40	0.5	0
196	Supramolecular Anchoring of Octahedral Molybdenum Clusters onto Graphene and Their Synergies in Photocatalytic Water Reduction. *Inorganic Chemistry*, **2019**, 58, 15443-15454	5.1	19
195	ITO@SiO2 and ITO@{M6Br12}@SiO2 (M = Nb, Ta) nanocomposite films for ultraviolet-near infrared shielding. *Nanoscale Advances*, **2019**,	5.1	2
194	Octahedral molybdenum cluster as a photoactive antimicrobial additive to a fluoroplastic. *Materials Science and Engineering C*, **2019**, 105, 110150	8.3	18
193	Size-Exclusion Mechanism Driving Host-Guest Interactions between Octahedral Rhenium Clusters and Cyclodextrins. *Inorganic Chemistry*, **2019**, 58, 13184-13194	5.1	17
192	Red-NIR luminescence of Mo6 monolayered assembly directly anchored on Au(001). *Materials Horizons*, **2019**, 6, 1828-1833	14.4	5
191	Preparation by electrophoretic deposition of molybdenum iodide cluster-based functional nanostructured photoelectrodes for solar cells. *Electrochimica Acta*, **2019**, 317, 737-745	6.7	11
190	Apical Cyanide Ligand Substitution in Heterometallic Clusters [Re3Mo3Q8(CN)6]n[(Q = S, Se). *European Journal of Inorganic Chemistry*, **2019**, 2019, 2685-2690	2.3	2

189	Crystal Structure of Layered Cyano-Bridged Coordination Polymers [M(NH3)6]4[{M(NH3)2}{Re3Mo3Se8(CN)6}2]·15H2O (M = Co, Ni). *Journal of Structural Chemistry*, **2019**, 60, 99-105	0.9	2
188	Transparent functional nanocomposite films based on octahedral metal clusters: synthesis by electrophoretic deposition process and characterization. *Royal Society Open Science*, **2019**, 6, 181647	3.3	6
187	Inorganic Niobium and Tantalum Octahedral Cluster Halide Compounds with Three-Dimensional Frameworks: A Review on Their Crystallographic and Electronic Structures. *Structure and Bonding*, **2019**, 143-190	0.9	9
186	Tailoring Heterometallic Cluster Functional Building Blocks: Synthesis, Separation, Structural and DFT Studies of [Re Mo Se (CN)]. *Chemistry - A European Journal*, **2019**, 25, 15040-15045	4.8	2
185	When a Red-NIR-Emissive Cs [Mo Br] Interacts with an Active Diureasil-PEO Matrix: Design of Tunable and White-Light-Emitting Hybrid Material. *Chemistry - A European Journal*, **2019**, 25, 15248-15251	4.8	8
184	Molybdenum cluster loaded PLGA nanoparticles: An innovative theranostic approach for the treatment of ovarian cancer. *European Journal of Pharmaceutics and Biopharmaceutics*, **2018**, 125, 95-105	5.7	37
183	Tailoring the self-assembling abilities of functional hybrid nanomaterials: from rod-like to disk-like clustomesogens based on a luminescent {Mo6Br8}4+ inorganic cluster core. *Journal of Materials Chemistry C*, **2018**, 6, 2556-2564	7.1	3
182	Stabilization of Ni dimers in hexacyano Mo cluster-based Prussian blue derivatives: experimental and theoretical investigations of magnetic properties. *Dalton Transactions*, **2018**, 47, 1122-1130	4.3	3
181	Access to lanthanoid telluride nanoparticles: Liquid exfoliation of LnTe3 (Ln = La, Ho). *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2018**, 228, 261-266	3.1	3
180	Crystal structure of the new A2SnTa6X18 (A = K, Rb, Cs; X = Cl, Br) cluster compounds. *Journal of Solid State Chemistry*, **2018**, 257, 72-79	3.3	2
179	Non-volatile resistive switching in the Mott insulator (V1−xCrx)2O3. *Physica B: Condensed Matter*, **2018**, 536, 327-330	2.8	6
178	Embedding hexanuclear tantalum bromide cluster {TaBr} into SiO nanoparticles by reverse microemulsion method. *Heliyon*, **2018**, 4, e00654	3.6	3
177	Hydrogen bonded networks based on hexarhenium(III) chalcocyanide cluster complexes: structural and photophysical characterization. *New Journal of Chemistry*, **2018**, 42, 11888-11895	3.6	
176	Metal Atom Clusters as Building Blocks for Multifunctional Proton-Conducting Materials: Theoretical and Experimental Characterization. *Inorganic Chemistry*, **2018**, 57, 9814-9825	5.1	8
175	Lord of The Crowns: A New Precious in the Kingdom of Clustomesogens. *Angewandte Chemie*, **2018**, 130, 11866-11870	3.6	2
174	Lord of The Crowns: A New Precious in the Kingdom of Clustomesogens. *Angewandte Chemie - International Edition*, **2018**, 57, 11692-11696	16.4	12
173	Elastic Softness of Hybrid Lead Halide Perovskites. *Physical Review Letters*, **2018**, 121, 085502	7.4	82
172	Evaluation of Functional SiO2 Nanoparticles Toxicity by a 3D Culture Model. *Journal of Nanoscience and Nanotechnology*, **2018**, 18, 3148-3157	1.3	8

171	Stabilization of interpenetrating cluster-based frameworks promoted by NH?X hydrogen bonds: synthesis, structures and properties of {[Cd(NH3)4]3[Re3Mo3Se8(CN)6]}X (X = Cl, Br and I). *CrystEngComm*, **2018**, 20, 4164-4172	3.3	1
170	Host-Guest Binding Hierarchy within Redox- and Luminescence-Responsive Supramolecular Self-Assembly Based on Chalcogenide Clusters and Cyclodextrin. *Chemistry - A European Journal*, **2018**, 24, 13467-13478	4.8	36
169	Hexacyano Molybdenum Clusters Chalcohalides and Divalent Cations (Zn2+ and Cu2+) for the Design of Extended Polymeric and Supramolecular Frameworks. *Current Inorganic Chemistry*, **2018**, 7, 111-121		2
168	The Ouzo effect to selectively assemble molybdenum clusters into nanomarbles or nanocapsules with increased HER activity. *Chemical Communications*, **2018**, 54, 13387-13390	5.8	5
167	HostGuest Binding Hierarchy within Redox- and Luminescence-Responsive Supramolecular Self-Assembly Based on Chalcogenide Clusters and Cyclodextrin. *Chemistry - A European Journal*, **2018**, 24, 13382-13382	4.8	1
166	Low dimensional solids based on Mo6 cluster cyanides and Mn2+, Mn3+ or Cd2+ metal ions: crystal chemistry, magnetic and optical properties. *CrystEngComm*, **2018**, 20, 3396-3408	3.3	6
165	How a dc Electric Field Drives Mott Insulators Out of Equilibrium. *Physical Review Letters*, **2018**, 121, 016601	7.4	13
164	High temperature neutron powder diffraction study of the Cu 12 Sb 4 S 13 and Cu 4 Sn 7 S 16 phases. *Journal of Solid State Chemistry*, **2017**, 247, 83-89	3.3	20
163	Formation Mechanism of Transparent Mo6Metal Atom Cluster Film Prepared by Electrophoretic Deposition. *Journal of the Electrochemical Society*, **2017**, 164, D412-D418	3.9	12
162	Lattice and Valence Electronic Structures of Crystalline Octahedral Molybdenum Halide Clusters-Based Compounds, Cs[MoX] (X = Cl, Br, I), Studied by Density Functional Theory Calculations. *Inorganic Chemistry*, **2017**, 56, 6234-6243	5.1	15
161	From Cs2Mo6Cl14 to Cs2Mo6Cl14H2O and Vice Versa: Crystal Chemistry Investigations. *Journal of Cluster Science*, **2017**, 28, 773-798	3	11
160	Nonconventional Three-Component Hierarchical Host-Guest Assembly Based on Mo-Blue Ring-Shaped Giant Anion, Cyclodextrin, and Dawson-type Polyoxometalate. *Journal of the American Chemical Society*, **2017**, 139, 14376-14379	16.4	55
159	New ultra-violet and near-infrared blocking filters for energy saving applications: fabrication of tantalum metal atom cluster-based nanocomposite thin films by electrophoretic deposition. *Journal of Materials Chemistry C*, **2017**, 5, 10477-10484	7.1	24
158	Solvent-mediated purification of hexa-molybdenum cluster halide, Cs2[Mo6Cl14] for enhanced optical properties. *CrystEngComm*, **2017**, 19, 6028-6038	3.3	6
157	Designing a Thermoelectric Copper-Rich Sulfide from a Natural Mineral: Synthetic Germanite CuFeGeS. *Inorganic Chemistry*, **2017**, 56, 13376-13381	5.1	33
156	Electrophoretic Coating of Octahedral Molybdenum Metal Clusters for UV/NIR Light Screening. *Coatings*, **2017**, 7, 114	2.9	8
155	Transparent tantalum cluster-based UV and IR blocking electrochromic devices. *Journal of Materials Chemistry C*, **2017**, 5, 8160-8168	7.1	17
154	Polyoxometalate, Cationic Cluster, and Cyclodextrin: From Primary Interactions to Supramolecular Hybrid Materials. *Journal of the American Chemical Society*, **2017**, 139, 12793-12803	16.4	89

153	Mo cluster-based compounds for energy conversion applications: comparative study of photoluminescence and cathodoluminescence. *Science and Technology of Advanced Materials*, **2017**, 18, 458-466	7.1	29
152	Polyurethanes prepared from cyclocarbonated broccoli seed oil (PUcc): New biobased organic matrices for incorporation of phosphorescent metal nanocluster. *Journal of Applied Polymer Science* , **2017**, 134, 45339	2.9	5
151	Simulation of crystal and electronic structures of octahedral molybdenum cluster complex compound Cs2[Mo6Cl14] using various DFT functionals. *Journal of the Ceramic Society of Japan*, **2017**, 125, 753-759	1	3
150	Visible tunable lighting system based on polymer composites embedding ZnO and metallic clusters: from colloids to thin films. *Science and Technology of Advanced Materials*, **2016**, 17, 443-453	7.1	20
149	Time-gated luminescence bioimaging with new luminescent nanocolloids based on [MoI(CFCOO)] metal atom clusters. *Physical Chemistry Chemical Physics*, **2016**, 18, 30166-30173	3.6	43
148	Theoretical and experimental determination of the crystal structures of cesium molybdenum chloride. *Japanese Journal of Applied Physics*, **2016**, 55, 075502	1.4	12
147	Phosphorescent columnar hybrid materials containing polyionic inorganic nanoclusters. *Chemical Communications*, **2016**, 52, 3127-30	5.8	21
146	Elaboration, Characterizations, and Energetics of Robust Mo6 Cluster-Terminated Silicon-Bound Molecular Junctions. *Journal of Physical Chemistry C*, **2016**, 120, 2324-2334	3.8	12
145	Versatility of the ionic assembling method to design highly luminescent PMMA nanocomposites containing [M6Q(i)8L(a)6](n-) octahedral nano-building blocks. *Dalton Transactions*, **2016**, 45, 237-45	4.3	44
144	Carrier scattering processes and low energy phonon spectroscopy in hybrid perovskites crystals **2016**,		10
143	Facile design of red-emitting waveguides using hybrid nanocomposites made of inorganic clusters dispersed in SU8 photoresist host. *Optical Materials*, **2016**, 52, 196-202	3.3	13
142	Metal insulator transitions in (V1-xCrx)2O3 thin films deposited by reactive direct current magnetron co-sputtering. *Thin Solid Films*, **2016**, 617, 56-62	2.2	13
141	In Situ Generation of Active Molybdenum Octahedral Clusters for Photocatalytic Hydrogen Production from Water. *ChemSusChem*, **2016**, 9, 1963-71	8.3	29
140	Studies on plant cell toxicity of luminescent silica nanoparticles (Cs2[Mo6Br14]@SiO2) and its constitutive components. *Journal of Nanoparticle Research*, **2016**, 18, 1	2.3	15
139	Efficient active waveguiding properties of Mo6 nano-cluster-doped polymer nanotubes. *Nanotechnology*, **2016**, 27, 255201	3.4	9
138	Elastic Constants, Optical Phonons, and Molecular Relaxations in the High Temperature Plastic Phase of the CHNHPbBr Hybrid Perovskite. *Journal of Physical Chemistry Letters*, **2016**, 7, 3776-3784	6.4	75
137	Fabrication of Transparent Thin Film of Octahedral Molybdenum Metal Clusters by Electrophoretic Deposition. *ECS Journal of Solid State Science and Technology*, **2016**, 5, R178-R186	2	15
136	Inorganic Molybdenum Clusters as Light-Harvester in All Inorganic Solar Cells: A Proof of Concept. *ChemistrySelect*, **2016**, 1, 2284-2289	1.8	26

135	Hexamolybdenum clusters supported on graphene oxide: Visible-light induced photocatalytic reduction of carbon dioxide into methanol. *Carbon*, **2015**, 94, 91-100	10.4	58
134	Surface immobilization of Mo6I8 octahedral cluster cores on functionalized amorphous carbon using a pyridine complexation strategy. *Diamond and Related Materials*, **2015**, 55, 131-138	3.5	6
133	Inorganic Molybdenum Octahedral Nanosized Cluster Units, Versatile Functional Building Block for Nanoarchitectonics. *Journal of Inorganic and Organometallic Polymers and Materials*, **2015**, 25, 189-204	3.2	93
132	Electroswitchable red-NIR luminescence of ionic clustomesogen containing nematic liquid crystalline devices. *Journal of Materials Chemistry C*, **2015**, 3, 5152-5161	7.1	21
131	Spin frustration in antiperovskite systems: (TTF or TSF)3[(Mo6X14)2] *Journal of Materials Chemistry C*, **2015**, 3, 11046-11054	7.1	7
130	Epoxy Based Ink as Versatile Material for Inkjet-Printed Devices. *ACS Applied Materials & Interfaces*, **2015**, 7, 21975-84	9.5	53
129	Combined theoretical and time-resolved photoluminescence investigations of [MoBriBr(a)] metal cluster units: evidence of dual emission. *Physical Chemistry Chemical Physics*, **2015**, 17, 28574-85	3.6	51
128	Advances in the Engineering of Near Infrared Emitting Liquid Crystals and Copolymers, Extended Porous Frameworks, Theranostic Tools and Molecular Junctions Using Tailored Re6 Cluster Building Blocks. *Journal of Cluster Science*, **2015**, 26, 53-81	3	85
127	Nanometrization of Lanthanide-Based Coordination Polymers. *Chemistry - A European Journal*, **2015**, 21, 17466-73	4.8	9
126	Supramolecular Frameworks Built up from Red-Phosphorescent trans-Re6 Cluster Building Blocks: One Pot Synthesis, Crystal Structures, and DFT Investigations. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2015**, 641, 1156-1163	1.3	15
125	From Mesomorphic Phosphine Oxide to Clustomesogens Containing Molybdenum and Tungsten Octahedral Cluster Cores. *Angewandte Chemie*, **2015**, 127, 11071-11075	3.6	2
124	Polarized Phosphorescence of Isotropic and Metal-Based Clustomesogens Dispersed into Chiral Nematic Liquid Crystalline Films. *Advanced Optical Materials*, **2015**, 3, 1368-1372	8.1	16
123	Design and Integration in Electro-Optic Devices of Highly Efficient and Robust Red-NIR Phosphorescent Nematic Hybrid Liquid Crystals Containing [Mo6I8(OCOCnF2n+1)6]2 (n = 1, 2, 3) Nanoclusters. *Advanced Functional Materials*, **2015**, 25, 4966-4975	15.6	35
122	From Mesomorphic Phosphine Oxide to Clustomesogens Containing Molybdenum and Tungsten Octahedral Cluster Cores. *Angewandte Chemie - International Edition*, **2015**, 54, 10921-5	16.4	12
121	Tuned red NIR phosphorescence of polyurethane hybrid composites embedding metallic nanoclusters for oxygen sensing. *Chemical Communications*, **2015**, 51, 8177-80	5.8	57
120	Evaluation of (95)Mo Nuclear Shielding and Chemical Shift of [Mo6X14](2-) Clusters in the Liquid Phase. *Inorganic Chemistry*, **2015**, 54, 7673-83	5.1	6
119	Graphene oxide supported molybdenum cluster: first heterogenized homogeneous catalyst for the synthesis of dimethylcarbonate from CO2 and methanol. *Chemistry - A European Journal*, **2015**, 21, 3488-94	4.8	31
118	From metallic cluster-based ceramics to nematic hybrid liquid crystals: a double supramolecular approach. *Chemical Communications*, **2015**, 51, 3774-7	5.8	34

117	Isotropic Three-Dimensional Molecular Conductor Based on the Coronene Radical Cation. *European Journal of Inorganic Chemistry*, **2014**, 2014, 3871-3878	2.3	17
116	Controlled synthesis and luminescence properties of trans-[Re6S8(CN)4(OH)2](H2O)n]n4 octahedral rhenium(III) cluster units (n = 0, 1 or 2). *Polyhedron*, **2014**, 67, 351-359	2.7	20
115	Photoreduction of CO2 to methanol with hexanuclear molybdenum [Mo6Br14]2cluster units under visible light irradiation. *RSC Advances*, **2014**, 4, 10420	3.7	46
114	Multi-Functional Silica Nanoparticles Based on Metal Atom Clusters: From Design to Toxicological Studies. *Key Engineering Materials*, **2014**, 617, 179-183	0.4	1
113	Hexacyano octahedral metallic clusters as versatile building blocks in the design of extended polymeric framework and clustomesogens. *Journal of Materials Chemistry C*, **2014**, 2, 9813-9823	7.1	33
112	Deep red luminescent hybrid copolymer materials with high transition metal cluster content. *Journal of Materials Chemistry C*, **2014**, 2, 1545-1552	7.1	46
111	Thermotropic luminescent clustomesogen showing a nematic phase: a combination of experimental and molecular simulation studies. *Chemistry - A European Journal*, **2014**, 20, 8561-5	4.8	21
110	On the influence of the thickness of the sediment moving layer in the definition of the bedload transport formula in Exner systems. *Computers and Fluids*, **2014**, 91, 87-106	2.8	7
109	Octahedral clusters with mixed inner ligand environment: Self-assembly, modification and isomerism. *Journal of Structural Chemistry*, **2014**, 55, 1371-1389	0.9	12
108	Electric Pulse Induced Resistive Switching in the Narrow Gap Mott Insulator GaMo4S8. *Key Engineering Materials*, **2014**, 617, 135-140	0.4	8
107	Magnetic and Fluorescent Hybrid Silica Nanoparticles Based on the Co-Encapsulation of Fe2O3 Nanocristals and [Mo6Br14]2- Luminescent Nanosized Clusters by Water-in-Oil Microemulsion. *Key Engineering Materials*, **2014**, 617, 174-178	0.4	2
106	Multifunctional hybrid silica nanoparticles based on [MoBr] phosphorescent nanosized clusters, magnetic Fe and plasmonic gold nanoparticles. *Journal of Colloid and Interface Science*, **2014**, 424, 132-40	9.3	22
105	One-pot synthesis of gold nanoparticle/molybdenum cluster/graphene oxide nanocomposite and its photocatalytic activity. *Applied Catalysis B: Environmental*, **2013**, 130-131, 270-276	21.8	69
104	Sensitization of Er3+ Infrared Photoluminescence Embedded in a Hybrid Organic-Inorganic Copolymer containing Octahedral Molybdenum Clusters. *Advanced Functional Materials*, **2013**, 23, n/a-n/a	15.6	9
103	Unprecedented electron-poor octahedral Ta(6) clusters in a solid-state compound: synthesis, characterisations and theoretical investigations of Cs(2)BaTa(6)Br(15)O(3). *Chemistry - A European Journal*, **2013**, 19, 12711-9	4.8	11
102	95Mo solid-state nuclear magnetic resonance spectroscopy and quantum simulations: synergetic tools for the study of molybdenum cluster materials. *Inorganic Chemistry*, **2013**, 52, 617-27	5.1	11
101	Antiferromagnetic Ordering of Magnetic Clusters Units in Nb(6)F(15). *Applied Magnetic Resonance*, **2013**, 44, 143-151	0.8	2
100	Tunable Visible Emission of Luminescent Hybrid Nanoparticles Incorporating Two Complementary Luminophores: ZnO Nanocrystals and [Mo6Br14]2Nanosized Cluster Units. *Particle and Particle Systems Characterization*, **2013**, 30, 90-95	3.1	19

99	Color control in coaxial two-luminophore nanowires. *ACS Nano*, **2013**, 7, 2977-87	16.7	49
98	Extended Investigations on Luminescent Cs2[Mo6Br14]@SiO2 Nanoparticles: Physico-Structural Characterizations and Toxicity Studies. *Journal of Physical Chemistry C*, **2013**, 117, 20154-20163	3.8	63
97	Synthesis and Crystal Structure of the Azide K4[Re6Sei8(N3)a6]□4H2O; Luminescence, Redox, and DFT Investigations of the [Re6Sei8(N3)a6]4□Cluster Unit. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2013**, 639, 1756-1762	1.3	23
96	Complexity reduction of rate-equations models for two-choice decision-making. *PLoS ONE*, **2013**, 8, e80820	3.7	2
95	One-dimensional Fokker-Planck reduced dynamics of decision making models in computational neuroscience. *Communications in Mathematical Sciences*, **2013**, 11, 523-540	1	1
94	An analytical solution of the shallow water system coupled to the Exner equation. *Comptes Rendus Mathematique*, **2012**, 350, 183-186	0.4	10
93	Root uptake and phytotoxicity of nanosized molybdenum octahedral clusters. *Journal of Hazardous Materials*, **2012**, 219-220, 111-8	12.8	56
92	Crystal structures of trans-[Re6S8(CN)2L4] complexes, L = pyridine or 4-methylpyridine. *Journal of Structural Chemistry*, **2012**, 53, 132-137	0.9	11
91	Synthesis and properties of charge-transfer solids with cluster units [Mo6X14]2□(X = Br, I). *Journal of Materials Chemistry*, **2012**, 22, 19774		18
90	Fast photocatalytic degradation of rhodamine B over [Mo6Br8(N3)6]2□cluster units under sun light irradiation. *Applied Catalysis B: Environmental*, **2012**, 123-124, 1-8	21.8	67
89	A two time-scale model for tidal bed-load transport. *Communications in Mathematical Sciences*, **2012**, 10, 875-888	1	3
88	Ionically Self-Assembled Clustomesogen with Switchable Magnetic/Luminescence Properties Containing [Re6Se8(CN)6]n□(n= 3, 4) Anionic Clusters. *Chemistry of Materials*, **2011**, 23, 5122-5130	9.6	71
87	New thiocyanato and azido adducts of the redox-active Fe(□5-C5Me5)(□2-dppe) center: Synthesis and study of the Fe(II) and Fe(III) complexes. *Inorganica Chimica Acta*, **2011**, 374, 288-301	2.7	3
86	Tetrahedral Mo4 Clusters as Building Blocks for the Design of Clathrate-Related Giant Frameworks. *Angewandte Chemie*, **2011**, 123, 7438-7441	3.6	0
85	Tetrahedral Mo4 clusters as building blocks for the design of clathrate-related giant frameworks. *Angewandte Chemie - International Edition*, **2011**, 50, 7300-3	16.4	5
84	High-temperature experimental and theoretical study of magnetic interactions in diamond and pseudo-diamond frameworks built up from hexanuclear tantalum clusters. *Chemistry - A European Journal*, **2011**, 17, 6263-71	4.8	7
83	Octahedral niobium cluster-based solid state halides and oxyhalides: effects of the cluster condensation via an oxygen ligand on electronic and magnetic properties. *New Journal of Chemistry* , **2011**, 35, 2245	3.6	18
82	Liquid crystal properties resulting from synergetic effects between non-mesogenic organic molecules and a one nanometre sized octahedral transition metal cluster. *Chemical Communications* , **2011**, 47, 2056-8	5.8	47

81	Bedload transport in shallow water models: Why splitting (may) fail, how hyperbolicity (can) help. *Advances in Water Resources*, **2011**, 34, 980-989	4.7	55
80	Synthesis and characterization of A4[Re6Q8L6]@SiO2 red-emitting silica nanoparticles based on Re6 metal atom clusters (A = Cs or K, Q = S or Se, and L = OH or CN). *Langmuir*, **2010**, 26, 18512-8	4	45
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