

Kaplan Kirakci

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Synthesis and Characterization of Cs ₂ Mo ₆ X ₁₄ (X = Br or I) Hexamolybdenum Cluster Halides: Efficient Mo ₆ Cluster Precursors for Solution Chemistry Syntheses. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2005, 631, 411-416.	1.2	143
2	A Highly Luminescent Hexanuclear Molybdenum Cluster – A Promising Candidate toward Photoactive Materials. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 3107-3111.	2.0	123
3	A comparative study of the redox and excited state properties of (nBu ₄ N) ₂ [Mo ₆ X ₁₄] and (nBu ₄ N) ₂ [Mo ₆ X ₈ (CF ₃ COO) ₆] (X = Cl, Br, or I). <i>Dalton Transactions</i> , 2013, 42, 7224.	3.3	123
4	X-ray Inducible Luminescence and Singlet Oxygen Sensitization by an Octahedral Molybdenum Cluster Compound: A New Class of Nanoscintillators. <i>Inorganic Chemistry</i> , 2016, 55, 803-809.	4.0	105
5	Luminescent Hydrogel Particles Prepared by Self-Assembly of β -Cyclodextrin Polymer and Octahedral Molybdenum Cluster Complexes. <i>Inorganic Chemistry</i> , 2014, 53, 13012-13018.	4.0	80
6	Water-soluble octahedral molybdenum cluster compounds Na ₂ [Mo ₆ I ₈ (N ₃) ₆] and Na ₂ [Mo ₆ I ₈ (NCS) ₆]: Syntheses, luminescence, and in vitro studies. <i>Inorganica Chimica Acta</i> , 2016, 441, 42-49.	2.4	67
7	Nanoscaled porphyrinic metal-organic frameworks: photosensitizer delivery systems for photodynamic therapy. <i>Journal of Materials Chemistry B</i> , 2017, 5, 1815-1821.	5.8	62
8	Cationic octahedral molybdenum cluster complexes functionalized with mitochondria-targeting ligands: photodynamic anticancer and antibacterial activities. <i>Biomaterials Science</i> , 2019, 7, 1386-1392.	5.4	62
9	Hexamolybdenum Cluster Complexes with Pyrene and Anthracene Carboxylates: Ultrabright Red Emitters with the Antenna Effect. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 2331-2336.	2.0	59
10	From Simple Monopyridine Clusters [Mo ₆ Br ₁₃ (Py-R)][n-Bu ₄ N] and Hexapyridine Clusters [Mo ₆ X ₈ (Py-R) ₆][OSO ₂ CF ₃] ₄ (X = Br or I) to Cluster-Cored Organometallic Stars, Dendrons, and Dendrimers. <i>Inorganic Chemistry</i> , 2006, 45, 1156-1167.	4.0	56
11	Tetranuclear Copper(I) Iodide Complexes: A New Class of X-ray Phosphors. <i>Inorganic Chemistry</i> , 2017, 56, 4609-4614.	4.0	56
12	Octahedral molybdenum clusters as radiosensitizers for X-ray induced photodynamic therapy. <i>Journal of Materials Chemistry B</i> , 2018, 6, 4301-4307.	5.8	51
13	Singlet Oxygen Production and Biological Activity of Hexanuclear Chalcocyanide Rhenium Cluster Complexes [Re ₆ Q ₈ (CN) ₆] ⁴⁻ (Q = S, Se, Te). <i>Inorganic Chemistry</i> , 2017, 56, 13491-13499.	4.0	47
14	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
15	Nanocluster cores (X=Br, I): From inorganic solid state compounds to hybrids. <i>Inorganica Chimica Acta</i> , 2006, 359, 1705-1709.	2.4	42
16	Antibacterial, Antiviral, and Oxygen-Sensing Nanoparticles Prepared from Electrospun Materials. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 25127-25136.	8.0	39
17	Water-soluble Re ₆ -clusters with aromatic phosphine ligands – from synthesis to potential biomedical applications. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 882-892.	6.0	34
18	Mo ₆ Br ₈ -Cluster-cored organometallic stars and dendrimers. <i>Comptes Rendus Chimie</i> , 2005, 8, 1789-1797.	0.5	31

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19	Phosphinate Apical Ligands: A Route to a Water-Stable Octahedral Molybdenum Cluster Complex. <i>Inorganic Chemistry</i> , 2019, 58, 16546-16552.	4.0	29
20	A water-soluble octahedral molybdenum cluster complex as a potential agent for X-ray induced photodynamic therapy. <i>Biomaterials Science</i> , 2021, 9, 2893-2902.	5.4	28
21	Hybrid Organic/Inorganic Complexes Based on Electroactive Tetrathiafulvalene-Functionalized Diphosphanes Tethered to C3-Symmetrized Mo3Q4 (Q = S, Se) Clusters. <i>Inorganic Chemistry</i> , 2010, 49, 1894-1904.	4.0	26
22	Octahedral Molybdenum Cluster Complexes with Optimized Properties for Photodynamic Applications. <i>Inorganic Chemistry</i> , 2020, 59, 9287-9293.	4.0	26
23	The Simple Hexapyridine Cluster [Mo6Br8Py6][OSO2CF3]4 and Substituted Hexapyridine Clusters Including a Cluster-cored Polyolefin Dendrimer. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2005, 631, 2746-2750.	1.2	25
24	Azaphthalocyanines: Red Fluorescent Probes for Cations. <i>Chemistry - A European Journal</i> , 2013, 19, 5025-5028.	3.3	24
25	Electrophoretically Deposited Layers of Octahedral Molybdenum Cluster Complexes: A Promising Coating for Mitigation of Pathogenic Bacterial Biofilms under Blue Light. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 52492-52499.	8.0	23
26	Metal-Cation Recognition in Water by a Tetrapyrazinoporphyrazine-Based Tweezer Receptor. <i>Chemistry - A European Journal</i> , 2016, 22, 2417-2426.	3.3	22
27	Red-Emitting Fluorescence Sensors for Metal Cations: The Role of Counteranions and Sensing of SCN ⁻ in Biological Materials. <i>ACS Sensors</i> , 2019, 4, 1552-1559.	7.8	22
28	Synthesis and properties of charge-transfer solids with cluster units [Mo6X14]2 ⁿ⁺ (X = Br, I). <i>Journal of Materials Chemistry</i> , 2012, 22, 19774.	6.7	19
29	Isotropic Three-Dimensional Molecular Conductor Based on the Coronene Radical Cation. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 3871-3878.	2.0	19
30	Effect of Iodination on the Photophysics of the Laser Borane anti-B18H22: Generation of Efficient Photosensitizers of Oxygen. <i>Inorganic Chemistry</i> , 2019, 58, 10248-10259.	4.0	18
31	Unusual Coexistence of Magnetic and Nonmagnetic Mo6 Octahedral Clusters in a Chalcogenide Solid Solution: Synthesis, X-ray Diffraction, EPR, and DFT Investigations of Cs3Mo6I6I2 ⁿ⁺ xSe14I6. <i>Chemistry - A European Journal</i> , 2007, 13, 9608-9616.	3.3	17
32	Structure and properties of a novel cobaltate La0.30CoO2. <i>Journal of Solid State Chemistry</i> , 2011, 184, 2231-2237.	2.9	17
33	A Cell Membrane Targeting Molybdenum-Iodine Nanocluster: Rational Ligand Design toward Enhanced Photodynamic Activity. <i>Inorganic Chemistry</i> , 2022, 61, 5076-5083.	4.0	15
34	A hybrid material based on [Mo6Br14]2 ⁿ⁺ inorganic cluster units and [BEDO-TTF]+ organic monocationic radicals: Synthesis, structure and properties of (BEDO-TTF)2Mo6Br14(PhCN)4. <i>Journal of Solid State Chemistry</i> , 2006, 179, 3628-3635.	2.9	14
35	Assisted Crystallization of Organometallic Cations by Interplay with Inorganic Anionic Clusters Units: Synthesis and Characterizations of the [Cp*(dppe)Fe-NCMe]2 ⁿ⁺ -M6L14Series (M6L14= Cluster Unit:) <i>Tj ETQq1ol 0.784314 rgB</i>	4.0	14
36	A Series of Ultra-Efficient Blue Borane Fluorophores. <i>Inorganic Chemistry</i> , 2020, 59, 17058-17070.	4.0	13

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37	Solid state synthesis, structures and redox properties of the new $[\text{Mo}_6\text{Br}_7\text{Te}_1\text{Br}_6]^{3-}$ and $[\text{Mo}_6\text{Br}_7\text{Se}_1\text{Br}_6]^{3-}$ octahedral cluster units: Crystallochemistry of the $\text{Rb}_{2+x}\text{Mo}_6\text{Br}_8\text{Y}_x\text{Br}_6$ series ($x=0.5$ for $\text{Y}=\text{Te}$; $0.25 \leq x \leq 0.7$ for $\text{Y}=\text{Se}$) and $\text{Rb}_2\text{Mo}_6\text{Br}_{14}$. Journal of Solid State Chemistry, 2005, 178, 3117-3129.	2.9	12
38	The nanoscaled metal-organic framework ICR-2 as a carrier of porphyrins for photodynamic therapy. Beilstein Journal of Nanotechnology, 2018, 9, 2960-2967.	2.8	12
39	Heterogeneous photoactive antimicrobial coatings based on a fluoroplastic doped with an octahedral molybdenum cluster compound. Dalton Transactions, 2021, 50, 8467-8475.	3.3	11
40	Synthesis and Crystal and Electronic Structures of the $\text{Na}_2(\text{Sc}_4\text{Nb}_2)(\text{Nb}_6\text{O}_{12})_3$ Octahedral Niobium Cluster Oxide. Structural Correlations between AnBM6L12(Z) Series and Chevrel Phases. Inorganic Chemistry, 2006, 45, 883-893.	4.0	10
41	Spin frustration in antiperovskite systems: $(\text{TfF}_6)_{1-x}\text{Cl}_x$ or TjETQq_1 . Journal of Materials Chemistry C, 2015, 3, 11046-11054.	5.5	10
42	MolCluster Complex-Based Coordination Polymer as an Efficient Heterogeneous Catalyst in the Suzuki-Miyaura Coupling Reaction. European Journal of Inorganic Chemistry, 2016, 2016, 4668-4673.	2.0	10
43	Avenue to X-ray-induced photodynamic therapy of prostatic carcinoma with octahedral molybdenum cluster nanoparticles. Journal of Materials Chemistry B, 2022, 10, 3303-3310.	5.8	9
44	Unprecedented μ_3 -O face-capping ligand in a $[\text{Mo}_6\text{Br}_6\text{Li}_2\text{Br}_6]^{4-}$ ($\text{L}=\text{O}+0.5\text{Br}$) molybdenum cluster unit: crystal structure of the $\text{Cs}_3\text{Mo}_6\text{Br}_{13}\text{O}$ oxybromide. Comptes Rendus Chimie, 2005, 8, 1712-1718.	0.5	6
45	Unprecedented Association of $[\text{Mo}_6\text{Br}_7\text{YiBr}_6]^{3-}$ Cluster Units and $[\text{MolIIBr}_6]^{3-}$ Complexes: Synthesis, Crystal Structures, and Properties of the Double Salts $\text{Rb}_3[\text{Mo}_6\text{Br}_7\text{YiBr}_6](\text{Rb}_3[\text{MoBr}_6])_3$ ($\text{Y}=\text{Se}, \text{Te}$). Chemistry - A European Journal, 2006, 12, 6419-6425.	3.3	6
46	Polymeric Membranes Containing Iodine-Loaded UiO-66 Nanoparticles as Water-Responsive Antibacterial and Antiviral Surfaces. ACS Applied Nano Materials, 2022, 5, 1244-1251.	5.0	6
47	Elaboration of hybrid nanocluster materials by solution chemistry. Progress in Solid State Chemistry, 2005, 33, 81-88.	7.2	5
48	Photoelectron spectroscopy of $[\text{Mo}_6\text{X}_{14}]^{2-}$ dianions ($\text{X} = \text{Cl}, \text{I}$). Journal of Chemical Physics, 2019, 151, 194310.	3.0	3
49	Host-Guest Binding Hierarchy within Redox- and Luminescence-Responsive Supramolecular Self-Assembly Based on Chalcogenide Clusters and β -Cyclodextrin. Chemistry - A European Journal, 2018, 24, 13382-13382.	3.3	1
50	Synthesis and Characterization of $\text{Cs}_2\text{Mo}_6\text{X}_{14}$ ($\text{X} = \text{Br}$ or I) Hexamolybdenum Cluster Halides: Efficient Mo_6 Cluster Precursors for Solution Chemistry Syntheses.. ChemInform, 2005, 36, no.	0.0	0