

Anton A Ivanov

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Singlet Oxygen Production and Biological Activity of Hexanuclear Chalcocyanide Rhenium Cluster Complexes $[{\text{Re}}_6\text{Q}_8(\text{CN})_6]^{4+}$ (Q = S, Se, Te). <i>Inorganic Chemistry</i> , 2017, 56, 13491-13499.	4.0	47
2	Comprehensive study of hexarhenium cluster complex $\text{Na}_4[\text{Re}_6\text{Te}_8(\text{CN})_6]$ in terms of a new promising luminescent and X-ray contrast agent. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 755-763.	3.3	46
3	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
4	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
5	From Photoinduced to Dark Cytotoxicity through an Octahedral Cluster Hydrolysis. <i>Chemistry - A European Journal</i> , 2018, 24, 17915-17920.	3.3	39
6	Hofmeister effect in the Keggin-type polyoxotungstate series. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 12-25.	6.0	35
7	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
8	Hexamolybdenum Clusters Supported on Exfoliated h-BN Nanosheets for Photocatalytic Water Purification. <i>Inorganic Chemistry</i> , 2020, 59, 6439-6448.	4.0	33
9	Cellular internalization and morphological analysis after intravenous injection of a highly hydrophilic octahedral rhenium cluster complex a new promising X-ray contrast agent. <i>Contrast Media and Molecular Imaging</i> , 2016, 11, 459-466.	0.8	30
10	A family of octahedral rhenium cluster complexes $\text{trans}-[\text{Re}_6\text{Q}_8(\text{PPh}_3)_4\text{X}_2]$ (Q=S or Se, X=Cl, Br or I): Preparation and halide-dependent luminescence properties. <i>Polyhedron</i> , 2014, 81, 634-638.	2.2	25
11	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
12	Size-Exclusion Mechanism Driving Host-Guest Interactions between Octahedral Rhenium Clusters and Cyclodextrins. <i>Inorganic Chemistry</i> , 2019, 58, 13184-13194.	4.0	24
13	Synthesis and luminescence properties of apically homoleptic octahedral rhenium clusters with pyrazole and 3,5-dimethylpyrazole. <i>Inorganica Chimica Acta</i> , 2019, 498, 119128.	2.4	19
14	Crystal structure of the octahedral cluster complex $\text{trans}-[\text{Re}_6\text{S}_8(\text{pyz})_4] \cdot 2\text{pyz}$. <i>Journal of Structural Chemistry</i> , 2014, 55, 139-141.	1.0	18
15	A comparative study of hydrophilic phosphine hexanuclear rhenium cluster complexes' toxicity. <i>Toxicology Research</i> , 2017, 6, 554-560.	2.1	18
16	Cyclodextrin-Assisted Hierarchical Aggregation of Dawson-type Polyoxometalate in the Presence of $\{\text{Re}_6\text{Se}_8\}$ Based Clusters. <i>Inorganic Chemistry</i> , 2020, 59, 11396-11406.	4.0	18
17	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
18	Self-Assembled Microporous M-HOFs Based on an Octahedral Rhenium Cluster with Benzimidazole. <i>Inorganic Chemistry</i> , 2021, 60, 14687-14696.	4.0	17

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19	Synthesis, structure and luminescence properties of new chalcogenide octahedral rhenium cluster complexes with 4-aminopyridine $[{\text{Re}}_6\text{Q}_8](4\text{-NH}_2\text{-py})_6^{2+}$. Journal of Coordination Chemistry, 2016, 69, 841-850.	2.2	15
20	Octahedral chalcogenide rhenium cluster complexes with imidazole. Polyhedron, 2019, 165, 79-85.	2.2	13
21	Supramolecular Adduct of β -Cyclodextrin and $[{\text{Re}}_6\text{Q}_8(\text{H}_2\text{O})_6]^{2+}$ (Q=S, Se). Journal of Cluster Science, 2018, 29, 9-13.	3.3	12
22	Water-Soluble Rhenium Clusters with Triazoles: The Effect of Chemical Structure on Cellular Internalization and the DNA Binding of the Complexes. Chemistry - A European Journal, 2020, 26, 13904-13914.	3.3	12
23	Studying the Effect of a Composition of the Cluster Core in High-Radiopacity Cluster Complexes of Rhenium on Their Acute Toxicity In Vivo. Bulletin of Experimental Biology and Medicine, 2016, 161, 64-68.	0.8	11
24	The role of hydrolysis in biological effects of molybdenum cluster with DMSO ligands. Journal of Biological Inorganic Chemistry, 2022, 27, 111-119.	2.6	11
25	Soluble Molecular Rhenium Cluster Complexes Exhibiting Multistage Terminal Ligands Reduction. Inorganic Chemistry, 2020, 59, 6460-6470.	4.0	10
26	From Specific β -CD/ $[{\text{Nb}}_6\text{Cl}_{12}(\text{H}_2\text{O})_6]^{2+}$ Recognition to Biological Activity Tuning. Chemistry - A European Journal, 2020, 26, 7479-7485.	3.3	8
27	Apically homoleptic octahedral rhenium cluster complexes with 3-methylpyrazole. Inorganica Chimica Acta, 2020, 510, 119738.	2.4	8
28	Crystal structure of a $[\text{CsK}_2(\frac{1}{4}\text{-DMF})_2(\frac{1}{4}\text{-DMF})_3(\text{DMF})_4][{\text{Re}}_6(\frac{1}{4}\text{-Se})_8\text{Br}_6]$ cluster complex. Journal of Structural Chemistry, 2017, 58, 989-993.	1.0	7
29	CRYSTAL STRUCTURE AND LUMINESCENT PROPERTIES OF RHENIUM CLUSTERS $[{\text{Re}}_6(\frac{1}{4}\text{-Q})_8(\text{imz-[1,2-a]py})_6]\text{Br}_2$. Journal of Structural Chemistry, 2020, 61, 1624-1629.	1.0	7
30	Neutral Mo_6Q_8 -clusters with terminal phosphane ligands – a route to water-soluble molecular units of Chevrel phases. New Journal of Chemistry, 2022, 46, 2218-2223.	2.8	6
31	Materials based on X-ray contrast octahedral metal cluster complexes and hydrophilic polymers. Materials Today: Proceedings, 2017, 4, 11430-11436.	1.8	5
32	“Host in Host”-Supramolecular Core-Shell Type Systems Based on Giant Ring-Shaped Polyoxometalates. Angewandte Chemie, 2021, 133, 14265-14272.	2.0	5
33	Neutral Chalcogenide Tungsten Cluster with Tris (2-Cyanoethyl)phosphine. European Journal of Inorganic Chemistry, 2020, 2020, 2896-2899.	2.0	3
34	Synthesis, structure, and properties of compounds containing both octahedral rhenium cluster cations and anions. Russian Chemical Bulletin, 2017, 66, 426-431.	1.5	1
35	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
36	Comparison of Intravenous Toxicity of Hexaniobium Cluster Complex and its Conjugate with Gamma-cyclodextrin. , 2019, , .		0