

# Vladimir E Fedorov

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	One-Step Exfoliation Synthesis of Easily Soluble Graphite and Transparent Conducting Graphene Sheets. <i>Advanced Materials</i> , 2009, 21, 4383-4387.	11.1	209
2	A Novel Framework Type for Inorganic Clusters with Cyanide Ligands: Crystal Structures of Cs <sub>2</sub> Mn <sub>3</sub> [Re <sub>6</sub> Se <sub>8</sub> (CN) <sub>6</sub> ] <sub>2</sub> ·15 H <sub>2</sub> O and (H <sub>3</sub> O) <sub>2</sub> Co <sub>3</sub> [Re <sub>6</sub> Se <sub>8</sub> (CN) <sub>6</sub> ] <sub>2</sub> ·14.5 H <sub>2</sub> O. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 1943-1945.	7.2	175
3	Pt-Decorated Boron Nitride Nanosheets as Artificial Nanozyme for Detection of Dopamine. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 22102-22112.	4.0	166
4	Colloidal 2D nanosheets of MoS <sub>2</sub> and other transition metal dichalcogenides through liquid-phase exfoliation. <i>Advances in Colloid and Interface Science</i> , 2017, 245, 40-61.	7.0	143
5	Rhenium "Chalcogenide" Cyano Clusters, Cu <sup>2+</sup> Ions, and 1,2,3,4-Tetraaminobutane as Molecular Building Blocks for Chiral Coordination Polymers. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 1297-1300.	7.2	131
6	Functionalization and Dispersion of Hexagonal Boron Nitride (h-BN) Nanosheets Treated with Inorganic Reagents. <i>Chemistry - an Asian Journal</i> , 2012, 7, 554-560.	1.7	116
7	Polyoxometalates "Potent and selective ecto-nucleotidase inhibitors. <i>Biochemical Pharmacology</i> , 2015, 93, 171-181.	2.0	107
8	Unusual Capping Chalcogenide Dependence of the Luminescence Quantum Yield of the Hexarhenium(III) Cyano Complexes [Re <sub>6</sub> ( <sup>1/4</sup> 3-E) <sub>8</sub> (CN) <sub>6</sub> ] <sub>4</sub> <sup>n-</sup> , E <sub>2</sub> <sup>n-</sup> = Se <sub>2</sub> <sup>n-</sup> , S <sub>2</sub> <sup>n-</sup> , Te <sub>2</sub> <sup>n-</sup> . <i>Chemistry Letters</i> , 1999, 28, 1121-1122.	0.7	104
9	Octahedral Hexahydroxo Rhenium Cluster Complexes [Re <sub>6</sub> Q <sub>8</sub> (OH) <sub>6</sub> ] <sub>4</sub> - $\hat{A}$ (Q = S, Se): Synthesis, Structure, and Properties. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 3945-3949.	1.0	86
10	Extended framework materials incorporating cyanide cluster complexes: structure of the first 3D architecture accommodating organic molecules. <i>Chemical Communications</i> , 2001, , 571-572.	2.2	78
11	New Compounds from Tellurocyanide Rhenium Cluster Anions and 3d-Transition Metal Cations Coordinated with Ethylenediamine. <i>Inorganic Chemistry</i> , 2004, 43, 4833-4838.	1.9	76
12	A Family of Octahedral Rhenium Cluster Complexes [Re <sub>6</sub> Q <sub>8</sub> (H <sub>2</sub> O) <sub>2</sub> ] <sub>n</sub> (OH) <sub>6</sub> (Q = S, Se; n = 0-6): Structural and pH-Dependent Spectroscopic Studies. <i>Inorganic Chemistry</i> , 2007, 46, 7414-7422.	1.9	76
13	Synthesis, Crystal Structure, and Colloidal Dispersions of Vanadium Tetrasulfide (VS <sub>4</sub> ). <i>Chemistry - A European Journal</i> , 2015, 21, 4639-4645.	1.7	76
14	Synthesis and crystal structure of a hexanuclear rhenium cluster complex Cs <sub>3</sub> K[Re <sub>6</sub> ( <sup>1/4</sup> 3-S) <sub>6</sub> ( <sup>1/4</sup> 3-Te <sub>0.66</sub> S <sub>0.34</sub> ) <sub>2</sub> (CN) <sub>6</sub> ]. Cationic control over orientation of the cluster anion. <i>Polyhedron</i> , 1995, 14, 3171-3173.	1.0	73
15	The First Water-Soluble Hexarhenium Cluster Complexes with a Heterocyclic Ligand Environment: Synthesis, Luminescence, and Biological Properties. <i>Inorganic Chemistry</i> , 2014, 53, 9006-9013.	1.9	73
16	Prospects of molybdenum and rhenium octahedral cluster complexes as X-ray contrast agents. <i>Journal of Inorganic Biochemistry</i> , 2015, 144, 13-17.	1.5	72
17	<sup>93</sup> Nb NMR chemical shift scale for niobia systems. <i>Solid State Nuclear Magnetic Resonance</i> , 2005, 28, 204-224.	1.5	69
18	The synthesis and properties of highly exfoliated graphites from fluorinated graphite intercalation compounds. <i>Carbon</i> , 2011, 49, 3233-3241.	5.4	69

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19	[{Cu(en) <sub>2</sub> } <sub>2</sub> Re <sub>4</sub> Te <sub>4</sub> (CN) <sub>12</sub> ]·5H <sub>2</sub> O and [{Cu(en) <sub>2</sub> } <sub>2</sub> Re <sub>6</sub> Te <sub>8</sub> (CN) <sub>6</sub> ]·5H <sub>2</sub> O: Bonding of a Transition-Metal Complex to a Rhenium Chalcocyanide Cluster. <i>Inorganic Chemistry</i> , 2001, 40, 6320-6323.	1.9	66
20	Cellular uptake and cytotoxicity of octahedral rhenium cluster complexes. <i>Journal of Inorganic Biochemistry</i> , 2008, 102, 1991-1996.	1.5	62
21	Cluster Core Controlled Reactions of Substitution of Terminal Bromide Ligands by Triphenylphosphine in Octahedral Rhenium Chalcobromide Complexes. <i>Journal of the American Chemical Society</i> , 2007, 129, 3714-3721.	6.6	61
22	Self-Assembly of Ambivalent Organic/Inorganic Building Blocks Containing Re <sub>6</sub> Metal Atom Cluster: Formation of a Luminescent Honeycomb, Hollow, Tubular Metal-Organic Framework. <i>Inorganic Chemistry</i> , 2009, 48, 1482-1489.	1.9	61
23	Microwave assisted synthesis of CuS-reduced graphene oxide nanocomposite with efficient photocatalytic activity towards azo dye degradation. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 4600-4611.	3.3	61
24	Graphene: chemical approaches to the synthesis and modification. <i>Russian Chemical Reviews</i> , 2011, 80, 751-770.	2.5	60
25	Excision of the {Mo <sub>6</sub> Se <sub>8</sub> } Cluster Core from a Chevrel Phase: Synthesis and Properties of the First Molybdenum Octahedral Cluster Selenocyanide Anions [Mo <sub>6</sub> Se <sub>8</sub> (CN) <sub>6</sub> ] <sup>7-</sup> and [Mo <sub>6</sub> Se <sub>8</sub> (CN) <sub>6</sub> ] <sup>6-</sup> . <i>Chemistry - A European Journal</i> , 2000, 6, 1361-1365.	1.7	58
26	Unusually high porosity in polymeric cluster cyanides: the synthesis and crystal structure of (H <sub>3</sub> O) <sub>2</sub> Zn <sub>3</sub> [Re <sub>6</sub> Se <sub>8</sub> (CN) <sub>6</sub> ] <sub>2</sub> ·20H <sub>2</sub> O. <i>Inorganic Chemistry Communication</i> , 2000, 3, 71-72.	1.8	58
27	The First Octahedral Cluster Complexes With Terminal Formate Ligands: Synthesis, Structure, and Properties of K <sub>4</sub> [Re <sub>6</sub> S <sub>8</sub> (HCOO) <sub>6</sub> ] and Cs <sub>4</sub> [Re <sub>6</sub> S <sub>8</sub> (HCOO) <sub>6</sub> ]. <i>Inorganic Chemistry</i> , 2009, 48, 2309-2315.	1.9	57
28	Anionic Redox Chemistry in Polysulfide Electrode Materials for Rechargeable Batteries. <i>ChemSusChem</i> , 2017, 10, 4805-4811.	3.6	56
29	Preparation, Structures, and Redox and Emission Characteristics of the Isothiocyanate Complexes of Hexarhenium(III) Clusters [Re <sub>6</sub> ( <sup>1/3</sup> E) <sub>8</sub> (NCS) <sub>6</sub> ] <sup>4-</sup> (E = S, Se). <i>Inorganic Chemistry</i> , 2003, 42, 4857-4863.	1.9	54
30	The Superior Dispersion of Easily Soluble Graphite. <i>Small</i> , 2010, 6, 58-62.	5.2	54
31	Chemically modified graphene sheets by functionalization of highly exfoliated graphite. <i>Journal of Materials Chemistry</i> , 2011, 21, 3410-3414.	6.7	52
32	Novel compounds based on [Re <sub>6</sub> Q <sub>8</sub> (L) <sub>6</sub> ] <sup>4-</sup> (Q = S, Se, Te; L = CN, OH) and their applications. <i>Journal of Materials Chemistry</i> , 2009, 19, 7178.	6.7	51
33	Octahedral rhenium cluster complexes with organic ligands: Synthesis, structure and properties of [Re <sub>6</sub> Q <sub>8</sub> (3,5-Me <sub>2</sub> PzH) <sub>6</sub> ] <sub>2</sub> ·2(3,5-Me <sub>2</sub> PzH) (Q=S, Se). <i>Inorganica Chimica Acta</i> , 2006, 359, 1129-1134.	1.2	48
34	An Unexpected Layered Structure in Inorganic Cyanide Clusters: [Cu <sub>4</sub> ( <sup>1/3</sup> -OH) <sub>4</sub> ][Re <sub>4</sub> ( <sup>1/3</sup> -Te) <sub>4</sub> (CN) <sub>12</sub> ]. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 2507-2509.	7.2	46
35	[Re <sub>12</sub> CS <sub>17</sub> (CN) <sub>6</sub> ] <sup>n-</sup> (n=6, 8): A Sulfido-Cyanide Rhenium Cluster with an Interstitial Carbon Atom. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6867-6871.	7.2	46
36	Structure and Reactivity of [Mo <sub>3</sub> ( <sup>1/3</sup> S- <sup>1/3</sup> S <sub>2</sub> ) <sub>3</sub> ] <sup>4+</sup> Complexes. Quantum Chemical Calculations, X-ray Structural Characterization, and Raman Spectroscopic Measurements. <i>Inorganic Chemistry</i> , 1998, 37, 2633-2644.	1.9	45

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37	Novel inorganic polymeric compounds based on the Re <sub>4</sub> chalcocyanide cluster complexes: synthesis and crystal structures of Mn <sub>2</sub> [Re <sub>4</sub> Se <sub>4</sub> (CN) <sub>12</sub> ]·6H <sub>2</sub> O, Cd <sub>2</sub> [Re <sub>4</sub> Te <sub>4</sub> (CN) <sub>12</sub> ]·4H <sub>2</sub> O and K <sub>4</sub> Re <sub>4</sub> Se <sub>4</sub> (CN) <sub>12</sub> ·6H <sub>2</sub> O. Polyhedron, 2001, 20, 969-974.	1.0	44
38	Design of Cyano-bridged Coordination Polymers Based on Tetrahedral Rhenium Cluster Cyanide Complexes and 3d Transition Metals. European Journal of Inorganic Chemistry, 2006, 2006, 2533-2549.	1.0	43
39	Octahedral cyanohydroxo cluster complex trans-[Re <sub>6</sub> Se <sub>8</sub> (CN) <sub>4</sub> (OH) <sub>2</sub> ] <sup>4-</sup> : Synthesis, crystal structure, and properties. Inorganica Chimica Acta, 2011, 370, 363-368.	1.2	43
40	Nb <sub>2</sub> S <sub>4</sub> <sup>+</sup> Complexes with 1,1-Dithioacid Ligands. Inorganic Chemistry, 1994, 33, 3503-3509.	1.9	39
41	A new hexanuclear rhenium cluster complex with six terminal acetate ligands: Synthesis, structure, and properties of K <sub>4</sub> [Re <sub>6</sub> S <sub>8</sub> (CH <sub>3</sub> COO) <sub>6</sub> ]·8H <sub>2</sub> O. Inorganica Chimica Acta, 2010, 363, 2686-2691.	1.2	38
42	Coherent anti-Stokes Raman scattering enhancement of thymine adsorbed on graphene oxide. Nanoscale Research Letters, 2014, 9, 263.	3.1	38
43	Ultradisperse Pt nanoparticles anchored on defect sites in oxygen-free few-layer graphene and their catalytic properties in CO oxidation. Carbon, 2015, 89, 290-299.	5.4	37
44	Layered K <sub>4</sub> [Re <sub>6</sub> S <sub>10</sub> (CN) <sub>2</sub> ] and Chainlike K <sub>4</sub> [Re <sub>6</sub> Se <sub>10</sub> (CN) <sub>4</sub> ]: New Types of Chalcocyanide Cluster Compounds with Bridging Chalcogenide Ligands. Inorganic Chemistry, 2000, 39, 1809-1811.	1.9	36
45	The First Coordination Polymers Based on Octahedral Hexahydroxo Rhenium Cluster Complexes [Re <sub>6</sub> Q <sub>8</sub> (OH) <sub>6</sub> ] <sup>4-</sup> (Q = S, Se) and Alkaline Earth Metal Cations. European Journal of Inorganic Chemistry, 2006, 2006, 553-557.	1.0	36
46	New polymeric structure of rhenium octahedral chalcocyanide complex: Ln <sup>3+</sup> -derived network with one-dimensional channels. Inorganic Chemistry Communication, 2001, 4, 423-426.	1.8	35
47	Colloidal solutions of niobium trisulfide and niobium triselenide. Journal of Materials Chemistry C, 2014, 2, 5479-5486.	2.7	34
48	Nano-structure ZnO/Cu <sub>2</sub> O photoelectrochemical and self-powered biosensor for esophageal cancer cell detection. Optics Express, 2017, 25, 7689.	1.7	34
49	Hexamolybdenum Clusters Supported on Exfoliated h-BN Nanosheets for Photocatalytic Water Purification. Inorganic Chemistry, 2020, 59, 6439-6448.	1.9	33
50	Optical and Material Characteristics of MoS <sub>2</sub> /Cu <sub>2</sub> O Sensor for Detection of Lung Cancer Cell Types in Hydroplegia. International Journal of Molecular Sciences, 2022, 23, 4745.	1.8	33
51	A series of three-dimensional coordination polymers with general formula [Ln(H <sub>2</sub> O) <sub>n</sub> ][Re <sub>6</sub> Te <sub>8</sub> (CN) <sub>6</sub> ] <sub>x</sub> ·xH <sub>2</sub> O (Ln=Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb; n=3, 4, x=0, 2.5). Polyhedron, 2008, 27, 2357-2364.	1.0	32
52	New trans-[Re <sub>6</sub> S <sub>8</sub> (CN) <sub>4</sub> L <sub>2</sub> ] <sup>n-</sup> Rhenium Cluster Complexes: Syntheses, Crystal Structures and Properties. Journal of Cluster Science, 2009, 20, 225-239.	1.7	32
53	Sugar-decorated Dendritic Nanocarriers: Encapsulation and Release of the Octahedral Rhenium Cluster Complex [Re <sub>6</sub> S <sub>8</sub> (OH) <sub>6</sub> ] <sup>4-</sup> . Chemistry - an Asian Journal, 2010, 5, 2507-2514.	1.7	32
54	Metal free MoS <sub>2</sub> 2D sheets as a peroxidase enzyme and visible-light-induced photocatalyst towards detection and reduction of Cr(VI) ions. New Journal of Chemistry, 2018, 42, 16919-16929.	1.4	32

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55	Synthesis, Properties, and Dispersion of Few-Layer Graphene Fluoride. <i>Chemistry - an Asian Journal</i> , 2013, 8, 2015-2022.	1.7	27
56	Novel inorganic ionic compounds based on Re <sub>6</sub> chalcocyanide cluster complexes: synthesis and crystal structures of [CuNH <sub>3</sub> (trien)] <sub>2</sub> [Re <sub>6</sub> S <sub>8</sub> (CN) <sub>6</sub> ]·7H <sub>2</sub> O, [CuNH <sub>3</sub> (trien)] <sub>2</sub> [Re <sub>6</sub> Se <sub>8</sub> (CN) <sub>6</sub> ] and [CuNH <sub>3</sub> (trien)] <sub>2</sub> [Re <sub>6</sub> Te <sub>8</sub> (CN) <sub>6</sub> ]·H <sub>2</sub> O. <i>Polyhedron</i> , 2003, 22, 3383-3387.	1.0	26
57	Glycerol as Ligand: The Synthesis, Crystal Structure, and Properties of Compounds [Ln <sub>2</sub> (H <sub>2</sub> L) <sub>2</sub> (H <sub>3</sub> L) <sub>4</sub> ][Re <sub>6</sub> Q <sub>8</sub> (CN) <sub>6</sub> ], Ln = La, Nd, Gd, Q = S, Se. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 298-303.	1.0	26
58	Preparation and characterization of colloidal dispersions of layered niobium chalcogenides. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 461, 30-39.	2.3	26
59	New mixed-ligand cyanohydroxo octahedral cluster complex trans-[Re <sub>6</sub> S <sub>8</sub> (CN) <sub>2</sub> (OH) <sub>4</sub> ] <sup>4+</sup> , its luminescence properties and chemical reactivity. <i>RSC Advances</i> , 2014, 4, 60808-60815.	1.7	25
60	Molecular octahedral sulfido-bromide rhenium clusters: Synthesis and crystal structure of (PPh <sub>4</sub> ) <sub>2</sub> [Re <sub>6</sub> S <sub>6</sub> Br <sub>8</sub> ] <sup>-d</sup> CH <sub>3</sub> C <sub>6</sub> H <sub>5</sub> and (PPh <sub>4</sub> ) <sub>3</sub> [Re <sub>6</sub> S <sub>7</sub> Br <sub>7</sub> ]. <i>Polyhedron</i> , 1996, 15, 1229-1233.	1.0	24
61	Applicability of natural abundance <sup>33</sup> S solid-state NMR to cement chemistry. <i>Cement and Concrete Research</i> , 2006, 36, 1781-1783.	4.6	24
62	Growth Mechanism of Periodic-Structured MoS <sub>2</sub> by Transmission Electron Microscopy. <i>Nanomaterials</i> , 2022, 12, 135.	1.9	24
63	Selective Two-Step Oxidation of <sup>1/4</sup> -S Ligands in Trigonal Prismatic Unit {Re <sub>3</sub> ( <sup>1/4</sup> -C)( <sup>1/4</sup> -S) <sub>3</sub> Re <sub>3</sub> } of the Biocuboctahedral Cluster Anion [Re <sub>12</sub> CS <sub>17</sub> (CN) <sub>6</sub> ] <sup>6-</sup> . <i>Inorganic Chemistry</i> , 2012, 51, 4359-4367.	1.9	23
64	XPS experimental and DFT investigations on solid solutions of Mo <sub>1-x</sub> Re <sub>x</sub> S <sub>2</sub> (0 < x < 0.20). <i>Nanoscale</i> , 2018, 10, 10232-10240.	2.8	23
65	Access to a novel niobium octahedral cluster core via soft chemistry: synthesis and structure of K <sub>2.6</sub> Cs <sub>3.4</sub> [Nb <sub>6</sub> Cl <sub>4</sub> O <sub>4</sub> (OH) <sub>4</sub> (CN) <sub>6</sub> ]·3H <sub>2</sub> O containing isolated Nb <sub>6</sub> Cl <sub>4</sub> O <sub>4</sub> (OH) <sub>4</sub> (CN) <sub>6</sub> cluster unit. <i>Inorganica Chimica Acta</i> , 2003, 350, 503-510.	1.2	21
66	Novel Three-Dimensional Coordination Polymers Based on [Mo <sub>6</sub> Se <sub>8</sub> (CN) <sub>6</sub> ] <sup>7-</sup> Anions and Mn <sup>2+</sup> Cations. <i>Journal of Cluster Science</i> , 2009, 20, 165-176.	1.7	20
67	V <sub>4</sub> S <sub>9</sub> Br <sub>4</sub> : A Novel High-Spin Vanadium Cluster Thiobromide with Square-Planar Metal Core. <i>Journal of Physical Chemistry B</i> , 2005, 109, 23804-23807.	1.2	19
68	Unusual H-bonding in novel cyano-cluster polymeric hydrates [(H){Ln(H <sub>2</sub> O) <sub>4</sub> }{Re <sub>6</sub> S <sub>8</sub> (CN) <sub>6</sub> }]·2H <sub>2</sub> O (Ln = Tj ETQg 0 0 0 rgBT /Overlock	2.2	19
69	Oxidizing Properties of the Polysulfide Surfaces of Patronite VS <sub>4</sub> and NbS <sub>3</sub> Induced by (S <sub>2</sub> ) <sup>2+</sup> Groups: Unusual Formation of Ag <sub>2</sub> S Nanoparticles. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700999.	1.9	19
70	Synthesis and structures of new octahedral water-soluble heterometal rhenium-molybdenum clusters. <i>Polyhedron</i> , 2004, 23, 599-603.	1.0	18
71	Syntheses and X-ray structures of a series of V <sub>2</sub> S <sub>4</sub> (RCS <sub>2</sub> ) <sub>4</sub> (R=alkoxy, dialkylamino) complexes. <i>Inorganica Chimica Acta</i> , 2002, 331, 25-30.	1.2	17
72	[M(C <sub>5</sub> O <sub>5</sub> ) <sub>2</sub> (H <sub>2</sub> O) <sub>2</sub> ] <sup>2+</sup> as a Building Block for Hetero- and Homo-bimetallic Coordination Polymers: From 1D Chains to 3D Supramolecular Architectures. <i>Crystal Growth and Design</i> , 2009, 9, 1013-1019.	1.4	17

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73	Two types of coordination polymers based on cluster anions $[\text{Re}_4\text{Q}_4(\text{CN})_{12}]^{4-}$ (Q=S, Se) and cations of rare-earth metals $\text{Ln}^{3+}$ : Syntheses and crystal structures. <i>Polyhedron</i> , 2011, 30, 1404-1411.	1.0	17
74	Novel Low Dimensional Cluster Compounds: Syntheses and Crystal Structures of $\text{Cs}[\{\text{Me}_3\text{Sn}\}_3\{\text{Re}_6\text{Se}_8(\text{CN})_6\}]$ , $[\{\text{Me}_3\text{Sn}(\text{H}_2\text{O})\}_2\{\text{Me}_3\text{Sn}\}\{\text{Re}_6\text{Se}_8(\text{CN})_6\}]\cdot\text{H}_2\text{O}$ , and $[(\text{Me}_3\text{Sn})_3(\text{OH})_2][\{\text{Me}_3\text{Sn}\}_3\{\text{Re}_6\text{Se}_8(\text{CN})_6\}]$ . pH Control of the Structural Dimensionality. <i>Journal of Cluster Science</i> , 2005, 16, 353-365.	1.7	16
75	Development of novel efficient 2D nanocomposite catalyst towards the three-component coupling reaction for the synthesis of imidazo[1,2-a]pyridines. <i>Applied Catalysis A: General</i> , 2017, 542, 368-379.	2.2	16
76	Octahedral aqua fluoride rhenium cluster complexes $\text{K}[\text{Re}_6\text{S}_8\text{F}_3(\text{H}_2\text{O})_3]\cdot 7\text{H}_2\text{O}$ , $\text{H}_3\text{O}[\text{Re}_6\text{Se}_8\text{F}_3(\text{H}_2\text{O})_3]\cdot 7\text{H}_2\text{O}$ and $[\text{Re}_6\text{Q}_8\text{F}_2(\text{H}_2\text{O})_4]\cdot 12\text{H}_2\text{O}$ (Q=S, Se): Synthesis and structure. <i>Inorganica Chimica Acta</i> , 2007, 360, 2953-2957.	1.2	15
77	Transition from 2-D Semiconductor to 1-D Metal State and Electron Density Distribution in Nanolayered $\text{MoX}_2$ (X = S, Se, Te). <i>Journal of Physical Chemistry C</i> , 2012, 116, 20651-20655.	1.5	15
78	Reactions of transition-metal cations with $[\text{Re}_6\text{Te}_8(\text{CN})_6]^{4-}$ : syntheses and structures of $[\text{Zn}(\text{NH}_3)_4]_2[\text{Re}_6\text{Te}_8(\text{CN})_6]$ , $[\{\text{Co}(\text{NH}_3)_5\}_2\text{Re}_6\text{Te}_8(\text{CN})_6]\cdot 4\text{H}_2\text{O}$ , and $[\{\text{Ni}(\text{NH}_3)_5\}_2\text{Re}_6\text{Te}_8(\text{CN})_6]\cdot 4\text{H}_2\text{O}$ . <i>Inorganica Chimica Acta</i> , 2004, 357, 728-732.	1.2	14
79	Metal Clusters. As They Were Born in Siberia. <i>Journal of Cluster Science</i> , 2015, 26, 3-15.	1.7	14
80	Thermoelectric properties of $\text{W}_{1-x}\text{Nb}_x\text{Se}_2$ polycrystalline compounds. <i>Journal of the American Ceramic Society</i> , 2019, 102, 6060-6067.	1.9	14
81	Cyano-bridged chalcocyanide complexes based on the cubane-like cluster with mixed cluster core $\{\text{Re}_4\text{S}_4\text{Te}_x\}$ . <i>Polyhedron</i> , 2006, 25, 1233-1238.	1.0	13
82	Dodecanuclear rhenium cluster complexes with an interstitial carbon atom: Synthesis, structures and properties of two new compounds $\text{K}_6[\text{Re}_{12}\text{CS}_{17}(\text{OH})_6]\cdot 4\text{H}_2\text{O}$ and $\text{Na}_{12}\text{Re}_{12}\text{CS}_{17}(\text{SO}_3)_6\cdot 48.5\text{H}_2\text{O}$ . <i>Polyhedron</i> , 2010, 29, 3283-3286.	1.0	13
83	A DFT study and experimental evidence of the sonication-induced cleavage of molybdenum sulfide $\text{Mo}_2\text{S}_3$ in liquids. <i>Journal of Materials Chemistry C</i> , 2017, 5, 6601-6610.	2.7	13
84	Intelligent Identification of $\text{MoS}_2$ Nanostructures with Hyperspectral Imaging by 3D-CNN. <i>Nanomaterials</i> , 2020, 10, 1161.	1.9	13
85	Coordination chemistry of Re complexes with 2-(2-pyridyl)benzimidazole. <i>Inorganica Chimica Acta</i> , 2005, 358, 3914-3918.	1.2	12
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