Vladimir E Fedorov

List of Publications by Citations

129 papers	3,636 citations	36 h-index	55 g-index
148 ext. papers	4,011 ext. citations	4.6 avg, IF	5.04 L-index

#	Paper	IF	Citations
129	One-step exfoliation synthesis of easily soluble graphite and transparent conducting graphene sheets. *Advanced Materials*, **2009**, 21, 4383-7	24	198
128	A Novel Framework Type for Inorganic Clusters with Cyanide Ligands: Crystal Structures of Cs2Mn3[Re6Se8(CN)6]2?15 H2O and (H3O)2Co3[Re6Se8(CN)6]2?14.5 H2O. *Angewandte Chemie - International Edition*, **1998**, 37, 1943-1945	16.4	148
127	Rhenium-chalcogenide-cyano clusters, Cu(2+) ions, and 1,2,3,4-tetraaminobutane as molecular building blocks for chiral coordination polymers. *Angewandte Chemie - International Edition*, **2004**, 43, 1297-300	16.4	121
126	Colloidal 2D nanosheets of MoS and other transition metal dichalcogenides through liquid-phase exfoliation. *Advances in Colloid and Interface Science*, **2017**, 245, 40-61	14.3	115
125	Pt-Decorated Boron Nitride Nanosheets as Artificial Nanozyme for Detection of Dopamine. *ACS Applied Materials & Interfaces*, **2019**, 11, 22102-22112	9.5	98
124	Unusual Capping Chalcogenide Dependence of the Luminescence Quantum Yield of the Hexarhenium(III) Cyano Complexes [Re6(□-E)8(CN)6]4□E2□ Se2□ S2□ Te2□*Chemistry Letters*, **1999**, 28, 1121-1122	1.7	98
123	Functionalization and dispersion of hexagonal boron nitride (h-BN) nanosheets treated with inorganic reagents. *Chemistry - an Asian Journal*, **2012**, 7, 554-60	4.5	90
122	Polyoxometalates--potent and selective ecto-nucleotidase inhibitors. *Biochemical Pharmacology*, **2015**, 93, 171-81	6	89
121	Octahedral Hexahydroxo Rhenium Cluster Complexes [Re6Q8(OH)6]4□(Q = S, Se): Synthesis, Structure, and Properties. *European Journal of Inorganic Chemistry*, **2005**, 2005, 3945-3949	2.3	80
120	New compounds from tellurocyanide rhenium cluster anions and 3d-transition metal cations coordinated with ethylenediamine. *Inorganic Chemistry*, **2004**, 43, 4833-8	5.1	71
119	Extended framework materials incorporating cyanide cluster complexes: structure of the first 3D architecture accommodating organic molecules. *Chemical Communications*, **2001**, 571-572	5.8	71
118	A family of octahedral rhenium cluster complexes [Re6Q8(H2O)n(OH)6-n]n-4 (Q=S, Se; n=0-6): structural and pH-dependent spectroscopic studies. *Inorganic Chemistry*, **2007**, 46, 7414-22	5.1	68
117	Synthesis and crystal structure of a hexanuclear rhenium cluster complex Cs3K[Re6(□-S)6 (□-Te0.66S0.34)2(CN)6]. Cationic control over orientation of the cluster anion. *Polyhedron*, **1995**, 14, 3171-3173	2.7	68
116	The first water-soluble hexarhenium cluster complexes with a heterocyclic ligand environment: synthesis, luminescence, and biological properties. *Inorganic Chemistry*, **2014**, 53, 9006-13	5.1	65
115	[[Cu(en)(2)](2)Re(4)Te(4)(CN)(12)].5H(2)O and [[Cu(en)(2)](2)Re(6)Te(8)(CN)(6)].5H(2)O: bonding of a transition-metal complex to a rhenium chalcocyanide cluster. *Inorganic Chemistry*, **2001**, 40, 6320-3	5.1	61
114	Prospects of molybdenum and rhenium octahedral cluster complexes as X-ray contrast agents. *Journal of Inorganic Biochemistry*, **2015**, 144, 13-7	4.2	59
113	Cellular uptake and cytotoxicity of octahedral rhenium cluster complexes. *Journal of Inorganic Biochemistry*, **2008**, 102, 1991-6	4.2	57

112	Synthesis, crystal structure, and colloidal dispersions of vanadium tetrasulfide (VS4). *Chemistry - A European Journal*, **2015**, 21, 4639-45	4.8	56
111	Self-assembly of ambivalent organic/inorganic building blocks containing Re6 metal atom cluster: formation of a luminescent honeycomb, hollow, tubular metal-organic framework. *Inorganic Chemistry*, **2009**, 48, 1482-9	5.1	56
110	Cluster core controlled reactions of substitution of terminal bromide ligands by triphenylphosphine in octahedral rhenium chalcobromide complexes. *Journal of the American Chemical Society*, **2007**, 129, 3714-21	16.4	56
109	The synthesis and properties of highly exfoliated graphites from fluorinated graphite intercalation compounds. *Carbon*, **2011**, 49, 3233-3241	10.4	55
108	Excision of the. *Chemistry - A European Journal*, **2000**, 6, 1361-5	4.8	55
107	Graphene: chemical approaches to the synthesis and modification. *Russian Chemical Reviews*, **2011**, 80, 751-770	6.8	52
106	93Nb NMR chemical shift scale for niobia systems. *Solid State Nuclear Magnetic Resonance*, **2005**, 28, 204-24	3.1	52
105	The superior dispersion of easily soluble graphite. *Small*, **2010**, 6, 58-62	11	51
104	Preparation, structures, and redox and emission characteristics of the isothiocyanate complexes of hexarhenium(III) clusters [Re6(mu3-E)8(NCS)6]4- (E = S, Se). *Inorganic Chemistry*, **2003**, 42, 4857-63	5.1	50
103	Chemically modified graphene sheets by functionalization of highly exfoliated graphite. *Journal of Materials Chemistry*, **2011**, 21, 3410-3414		49
102	The first octahedral cluster complexes with terminal formate ligands: synthesis, structure, and properties of K4[Re6S8(HCOO)6] and Cs4[Re6S8(HCOO)6]. *Inorganic Chemistry*, **2009**, 48, 2309-15	5.1	49
101	Unusually high porosity in polymeric cluster cyanides: the synthesis and crystal structure of (H3O)2Zn3[Re6Se8(CN)6]2□20H2O. *Inorganic Chemistry Communication*, **2000**, 3, 71-72	3.1	46
100	Novel compounds based on [Re6Q8(L)6]4□(Q = S, Se, Te; L = CN, OH) and their applications. *Journal of Materials Chemistry*, **2009**, 19, 7178		44
99	Microwave assisted synthesis of CuS-reduced graphene oxide nanocomposite with efficient photocatalytic activity towards azo dye degradation. *Journal of Environmental Chemical Engineering* , **2016**, 4, 4600-4611	6.8	42
98	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	2.3	40
97	Structure and Reactivity of [Mo(3)-&mgr;(3)S-(&mgr;S(2))(3)](4+) Complexes. Quantum Chemical Calculations, X-ray Structural Characterization, and Raman Spectroscopic Measurements. *Inorganic Chemistry*, **1998**, 37, 2633-2644	5.1	40
96	Octahedral rhenium cluster complexes with organic ligands: Synthesis, structure and properties of [Re6Q8(3,5-Me2PzH)6]Br2□2(3,5-Me2PzH) (Q=S, Se). *Inorganica Chimica Acta*, **2006**, 359, 1129-1134	2.7	39
95	[Re12CS17(CN)6]n- (n=6, 8): a sulfido-cyanide rhenium cluster with an interstitial carbon atom. *Angewandte Chemie - International Edition*, **2005**, 44, 6867-71	16.4	39

94	Octahedral cyanohydroxo cluster complex trans-[Re6Se8(CN)4(OH)2]4Synthesis, crystal structure, and properties. *Inorganica Chimica Acta*, **2011**, 370, 363-368	2.7	37
93	Novel inorganic polymeric compounds based on the Re4 chalcocyanide cluster complexes: synthesis and crystal structures of Mn2[Re4Se4(CN)12]6H2O, Cd2[Re4Te4(CN)12]6H2O, Cu2[Re4Te4(CN)12]4H2O and K4Re4Se4(CN)126H2O. *Polyhedron*, **2001**, 20, 969-974	2.7	36
92	Anionic Redox Chemistry in Polysulfide Electrode Materials for Rechargeable Batteries. *ChemSusChem*, **2017**, 10, 4805-4811	8.3	35
91	An Unexpected Layered Structure in Inorganic Cyanide Clusters: [Cu (OH)][Re (Te) (CN)]. *Angewandte Chemie - International Edition*, **1998**, 37, 2507-2509	16.4	34
90	A new hexanuclear rhenium cluster complex with six terminal acetate ligands: Synthesis, structure, and properties of K4[Re6S8(CH3COO)6]8H2O. *Inorganica Chimica Acta*, **2010**, 363, 2686-2691	2.7	32
89	New polymeric structure of rhenium octahedral chalcocyanide complex: Ln3+-derived network with one-dimensional channels. *Inorganic Chemistry Communication*, **2001**, 4, 423-426	3.1	32
88	Nb2S44+ Complexes with 1,1-Dithioacid Ligands. *Inorganic Chemistry*, **1994**, 33, 3503-3509	5.1	32
87	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	10.4	31
86	The First Coordination Polymers Based on Octahedral Hexahydroxo Rhenium Cluster Complexes [Re6Q8(OH)6]4(Q = S, Se) and Alkaline Earth Metal Cations. *European Journal of Inorganic Chemistry*, **2006**, 2006, 553-557	2.3	31
85	Layered K4[Re6S10(CN)2] and chainlike K4[Re6Se10(CN)4]: new types of chalcocyanide cluster compounds with bridging chalcogenide ligands. *Inorganic Chemistry*, **2000**, 39, 1809-11	5.1	31
84	Colloidal solutions of niobium trisulfide and niobium triselenide. *Journal of Materials Chemistry C*, **2014**, 2, 5479-5486	7.1	29
83	Coherent anti-Stokes Raman scattering enhancement of thymine adsorbed on graphene oxide. *Nanoscale Research Letters*, **2014**, 9, 263	5	28
82	A series of three-dimensional coordination polymers with general formula [{Ln(H2O)n}{Re6Te8(CN)6}]xH2O (Ln=Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb; n=3, 4, x=0, 2.5). *Polyhedron*, **2008**, 27, 2357-2364	2.7	27
81	Sugar-decorated dendritic nanocarriers: encapsulation and release of the octahedral rhenium cluster complex [Re6S8(OH)6]4-. *Chemistry - an Asian Journal*, **2010**, 5, 2507-14	4.5	26
80	Nano-structure ZnO/Cu2O photoelectrochemical and self-powered biosensor for esophageal cancer cell detection. *Optics Express*, **2017**, 25, 7689-7706	3.3	25
79	New trans-[Re6S8(CN)4L2]nRhenium Cluster Complexes: Syntheses, Crystal Structures and Properties. *Journal of Cluster Science*, **2009**, 20, 225-239	3	25
78	Novel inorganic ionic compounds based on Re6 chalcocyanide cluster complexes: synthesis and crystal structures of [CuNH3(trien)]2[Re6S8(CN)6]7H2O, [CuNH3(trien)]2[Re6Se8(CN)6] and [CuNH3(trien)]2[Re6Te8(CN)6]H2O. *Polyhedron*, **2003**, 22, 3383-3387	2.7	25
77	Synthesis, properties, and dispersion of few-layer graphene fluoride. *Chemistry - an Asian Journal*, **2013**, 8, 2015-22	4.5	23

76	Applicability of natural abundance 33S solid-state NMR to cement chemistry. *Cement and Concrete Research*, **2006**, 36, 1781-1783	10.3	23
75	Preparation and characterization of colloidal dispersions of layered niobium chalcogenides. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2014**, 461, 30-39	5.1	21
74	Glycerol as Ligand: The Synthesis, Crystal Structure, and Properties of Compounds [Ln2(H2L)2(H3L)4][Re6Q8(CN)6], Ln = La, Nd, Gd, Q = S, Se. *European Journal of Inorganic Chemistry*, **2006**, 2006, 298-303	2.3	21
73	Metal free MoS2 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	3.6	21
72	Selective two-step oxidation of □2-S ligands in trigonal prismatic unit {Re3(□3-C)(□2-S)3Re3} of the bioctahedral cluster anion [Re12CS17(CN)6]6□ *Inorganic Chemistry*, **2012**, 51, 4359-67	5.1	20
71	Access to a novel niobium octahedral cluster core via soft chemistry: synthesis and structure of K2.6Cs3.4[Nb6Cl4O4(OH)4(CN)6]□3H2O containing isolated Nb6Cli4Oi4(OH)i4(CN)a6 cluster unit. *Inorganica Chimica Acta*, **2003**, 350, 503-510	2.7	19
70	Novel Three-Dimensional Coordination Polymers Based on [Mo6Se8(CN)6]7□Anions and Mn2+ Cations. *Journal of Cluster Science*, **2009**, 20, 165-176	3	18
69	Molecular octahedral sulfido-bromide rhenium clusters: Synthesis and crystal structure of (PPh4)2[Re6S6Br8] *d CH3C6H5 and (PPh4)3[Re6S7Br7]. *Polyhedron*, **1996**, 15, 1229-1233	2.7	18
68	XPS experimental and DFT investigations on solid solutions of MoReS (0 Nanoscale, **2018**, 10, 10232-10240	7.7	17
67	New mixed-ligand cyanohydroxo octahedral cluster complex trans-[Re6S8(CN)2(OH)4]4□its luminescence properties and chemical reactivity. *RSC Advances*, **2014**, 4, 60808-60815	3.7	17
66	Two types of coordination polymers based on cluster anions [Re4Q4(CN)12]4□(Q = S, Se) and cations of rare-earth metals Ln3+: Syntheses and crystal structures. *Polyhedron*, **2011**, 30, 1404-1411	2.7	17
65	Unusual H-bonding in novel cyano-cluster polymeric hydrates [(H){Ln(H2O)4}{Re6S8(CN)6}]*2H2O (Ln = Yb, Lu). *Chemical Communications*, **2009**, 2655-7	5.8	17
64	Syntheses and X-ray structures of a series of V2S4(RCS2)4 (R=alkoxy, dialkylamino) complexes. *Inorganica Chimica Acta*, **2002**, 331, 25-30	2.7	17
63	V4S9Br4: a novel high-spin vanadium cluster thiobromide with square-planar metal core. *Journal of Physical Chemistry B*, **2005**, 109, 23804-7	3.4	16
62	Rhenium-Chalkogenid-Cyano-Cluster, Cu2+ und 1,2,3,4-Tetraaminobutan als molekulare Bausteine f□chirale Koordinationspolymere. *Angewandte Chemie*, **2004**, 116, 1317-1321	3.6	16
61	Synthesis and structures of new octahedral water-soluble heterometal rhenium□molybdenum clusters. *Polyhedron*, **2004**, 23, 599-603	2.7	16
60	Novel Low Dimensional Cluster Compounds: Syntheses and Crystal Structures of Cs[{Me3Sn}3{Re6Se8(CN)6}], [{Me3Sn(H2O)}2{Me3Sn}{Re6Se8(CN)6}] □H2O, and [(Me3Sn)3(OH)2][{Me3Sn}3{Re6Se8(CN)6}]. pH Control of the Structural Dimensionality. *Journal of Cluster Science*, **2005**, 16, 353-365	3	16
59	Oxidizing Properties of the Polysulfide Surfaces of Patronite VS4 and NbS3 Induced by (S2)2□ Groups: Unusual Formation of Ag2S Nanoparticles. *Advanced Materials Interfaces*, **2017**, 4, 1700999	4.6	15

58	Neuartiger Gerüsttyp bei anorganischen Clustern mit Cyanidliganden: die Strukturen von Cs2Mn3[Re6Se8(CN)6]2?15 H2O und (H3O)2Co3[Re6Se8(CN)6]2?14.5 H2O. *Angewandte Chemie*, **1998**, 110, 2043-2045	3.6	15
57	Hexamolybdenum Clusters Supported on Exfoliated h-BN Nanosheets for Photocatalytic Water Purification. *Inorganic Chemistry*, **2020**, 59, 6439-6448	5.1	15
56	[M(C5O5)2(H2O)n]2− as a Building Block for Hetero- and Homo-bimetallic Coordination Polymers: From 1D Chains to 3D Supramolecular Architectures. *Crystal Growth and Design*, **2009**, 9, 1013-1019	3.5	14
55	Reactions of transition-metal cations with [Re6Te8(CN)6]4− syntheses and structures of [Zn(NH3)4]2[Re6Te8(CN)6], [{Co(NH3)5}2Re6Te8(CN)6]·4H2O, and [{Ni(NH3)5}2Re6Te8(CN)6]·4H2O. *Inorganica Chimica Acta*, **2004**, 357, 728-732	2.7	14
54	Transition from 2-D Semiconductor to 1-D Metal State and Electron Density Distribution in Nanolayered MoX2(X = S, Se, Te). *Journal of Physical Chemistry C*, **2012**, 116, 20651-20655	3.8	13
53	Development of novel efficient 2D nanocomposite catalyst towards the three-component coupling reaction for the synthesis of imidazo[1,2- a]pyridines. *Applied Catalysis A: General*, **2017**, 542, 368-379	5.1	12
52	The influence of organic agents on the resultant crystal structure in the reactions of the [Re4Te4(CN)12]4− tetrahedral cluster anion with Nd3+ cations. *Polyhedron*, **2012**, 31, 515-523	2.7	12
51	Proton Transfer in a New Chain-Like Cluster Compound H[Lu(H2O)6{Re4Te4(CN)12}]·6H2O. *Journal of Physical Chemistry C*, **2007**, 111, 11008-11011	3.8	12
50	Octahedral aqua fluoride rhenium cluster complexes K[Re6S8F3(H2O)3]·7H2O, H3O[Re6Se8F3(H2O)3]·7H2O and [Re6Q8F2(H2O)4]·12H2O (Q=S, Se): Synthesis and structure. *Inorganica Chimica Acta*, **2007**, 360, 2953-2957	2.7	12
49	Cyano-bridged chalcocyanide complexes based on the cubane-like cluster with mixed cluster core {Re4S4−xTex}. *Polyhedron*, **2006**, 25, 1233-1238	2.7	12
48	Coordination chemistry of Re complexes with 2(2?-pyridyl)benzimidazole. *Inorganica Chimica Acta*, **2005**, 358, 3914-3918	2.7	12
47	Solid-state reaction as a mechanism of 1T <-> 2H transformation in MoS2 monolayers. *Journal of Computational Chemistry*, **2015**, 36, 2131-4	3.5	11
46	Dodecanuclear rhenium cluster complexes with an interstitial carbon atom: Synthesis, structures and properties of two new compounds K6[Re12CS17(OH)6]·4H2O and Na12Re12CS17(SO3)6·48.5H2O. *Polyhedron*, **2010**, 29, 3283-3286	2.7	11
45	A DFT study and experimental evidence of the sonication-induced cleavage of molybdenum sulfide Mo2S3 in liquids. *Journal of Materials Chemistry C*, **2017**, 5, 6601-6610	7.1	10
44	Metal Clusters. As They Were Born in Siberia. *Journal of Cluster Science*, **2015**, 26, 3-15	3	10
43	C4− carbide ligand in the trigonal prismatic environment of rheniums in [Re12CS17(CN)6]n− complexes. *Polyhedron*, **2008**, 27, 3167-3171	2.7	10
42	Thermoelectric properties of W1−xNbxSe2−ySy polycrystalline compounds. *Journal of the American Ceramic Society*, **2019**, 102, 6060-6067	3.8	9
41	Superfine Expanded Graphite with Large Capacity for Lithium Storage. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2011**, 637, 523-529	1.3	9

40	First Examples of Chalcofluoride Rhenium Cluster Complexes with Cubane-Like Anions [Re4Q4F12]4□(Q = S, Se). *European Journal of Inorganic Chemistry*, **2005**, 2005, 2476-2479	2.3	9
39	Theoretical and experimental comparative study of the stability and phase transformations of sesquichalcogenides MQ (M = Nb, Mo; Q = S, Se). *Physical Chemistry Chemical Physics*, **2019**, 21, 1454-1463	3.6	8
38	A hydrogen-bonded and □assembled 3D supramolecular network, [Co(en)3]□1.5(C5O5), with 1D microporous hydrophilic channels showing reversible water ad/de-sorption property. *CrystEngComm*, **2012**, 14, 4637	3.3	8
37	Film Mo0.95Re0.05S2 as a strain-sensing element. *Sensors and Actuators A: Physical*, **2015**, 226, 5-10	3.9	7
36	Intelligent Identification of MoS Nanostructures with Hyperspectral Imaging by 3D-CNN. *Nanomaterials*, **2020**, 10,	5.4	7
35	Nucleus-independent chemical shifts and aromaticity in hexanuclear cluster complexes [Mo6X8]n- (X = S, Se, and Te; n = 0 and 4) of Chevrel phases. *Journal of Physical Chemistry A*, **2012**, 116, 11776-80	2.8	7
34	Synthesis, Structures and Properties of Cluster Complexes [H3O(Ph3PO)3]2[Mo6Cl14] and [H(Ph3PO)2]2[Re6S6Br8]. *European Journal of Inorganic Chemistry*, **2007**, 2007, 2055-2060	2.3	7
33	Growth Mechanism of Periodic-Structured MoS by Transmission Electron Microscopy.. *Nanomaterials*, **2021**, 12,	5.4	6
32	Octahedral Chalcogenide Rhenium Clusters: From Solids to Isolated Cluster Complexes. *Structure and Bonding*, **2019**, 31-74	0.9	5
31	Optical and Material Characteristics of MoS/CuO Sensor for Detection of Lung Cancer Cell Types in Hydroplegia.. *International Journal of Molecular Sciences*, **2022**, 23,	6.3	5
30	Revealing the Flexible 1D Primary and Globular Secondary Structures of Sulfur-Rich Amorphous Transition Metal Polysulfides. *ChemNanoMat*, **2019**, 5, 1488-1497	3.5	4
29	Novel supramolecular compounds based on Cucurbit[6]uril, 1,8-diaminooctane and octahedral thiohydroxo anions with cluster core [Re6S8]. *Inorganica Chimica Acta*, **2010**, 363, 4411-4415	2.7	4
28	A new chalcocyanide cubane rhenium salt: tetrakis(tetraphenylphosphonium) dodecacyano-hexahedro-tetratelluriumtetrarhenate(IV) trihydrate. *Acta Crystallographica Section E: Structure Reports Online*, **2004**, 60, m1817-m1818		4
27	[Re12CS17(CN)6]n□(n=6, 8): A Sulfido□yanide Rhenium Cluster with an Interstitial Carbon Atom. *Angewandte Chemie*, **2005**, 117, 7027-7031	3.6	4
26	Metal-metal bond excitation in colloidal solution of NbS. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2017**, 179, 46-50	4.4	3
25	First titanium square fragment {Ti4(□4-Se)(□2-Se2)4} in its selenoiodide: Synthesis and structure of Ti4Se9I6. *Inorganica Chimica Acta*, **2019**, 488, 285-291	2.7	3
24	ZrS3: From crystalline samples to colloid dispersions. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2019**, 579, 123667	5.1	3
23	Isomerism in tetrahedral rhenium cluster complexes [Re4Q4(PMe2Ph)4X8]□hCH2Cl2 (Q = Se, X = Br; Q = Te, X = Cl, Br). *Polyhedron*, **2009**, 28, 2973-2976	2.7	3

22	Eine unerwartete Schichtstruktur bei anorganischen Cyanid-Clustern: [Cu4(μ3-OH)4][Re4(μ3-Te)4(CN)12]. *Angewandte Chemie*, **1998**, 110, 2656-2658	3.6	3
21	Halogen–halcogen interactions in [Mo3X7Y7]3− clusters (X=S, Se, Te; Y=Cl, Br, I). *Computational and Theoretical Chemistry*, **2008**, 849, 112-115		3
20	Thermal and kinetic studies of sulfur-rich molybdenum and tungsten polysulfides. *Journal of Alloys and Compounds*, **2021**, 851, 156705	5.7	3
19	Convenient approach to making nanocomposites based on a chitosan–poly(vinyl pyrrolidone) polymer matrix and a graphene nanofiller. *Journal of Applied Polymer Science*, **2017**, 134, 45038	2.9	2
18	Improved thermoelectric properties of layered Ti1+xNbxS2−ySey solid solutions. *Journal of the American Ceramic Society*, **2020**, 103, 6289-6297	3.8	2
17	Gold nanoparticles deposited on the surface of low-dimensional niobium trisulfide and vanadium tetrasulfide. *Materials Today: Proceedings*, **2017**, 4, 11411-11417	1.4	2
16	Two Coordination Modes of Bidentate Aminopyrazine Ligands in Cubane-type Cluster Complex Re4Te4Cl8(C4N3H4)4 ·2DMF. *Journal of Cluster Science*, **2009**, 20, 77-81	3	2
15	Superconducting shields and manufactured ceramic wares of complex configuration. *Physica C: Superconductivity and Its Applications*, **1991**, 185-189, 2491-2492	1.3	2
14	Photodecoloration of Methyl Orange Solution Assisted by ZrS3 Powders. *Advances in Science, Technology and Engineering Systems*, **2019**, 4, 165-170	0.3	2
13	New O-centered titanium chalcohalide: synthesis and structure of Ti4O(Se2)4Br6. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2021**, 647, 1729-1734	1.3	2
12	Perovskites257-297		2
11	Spin–Orbit Coupling and dn–n Interactions in A3M2X9 Enneahalodimetalates. *Journal of Cluster Science*, **2015**, 26, 17-26	3	1
10	Three-dimensional grids based on graphene oxide and 3,3′,4,4′-tetraaminodiphenyl oxide for supercapacitor electrodes. *Mendeleev Communications*, **2018**, 28, 184-186	1.9	1
9	A New Germanium Complex Containing Chelating Pyridinecarboxylate Ligands: cis-Dihydroxybis(pyridine-2-carboxylato-κN1,O2)germanium Hydrate (1 : 2) (cis-[Ge(pyca)2(OH)2]·2 H2O). *Helvetica Chimica Acta*, **2011**, 94, 1786-1791	2	1
8	Hexaaquadodeca-μ-chloro-hexaniobium(II,III) dichloride 2,2′-bipyridine trisolvate. *Acta Crystallographica Section E: Structure Reports Online*, **2006**, 62, m175-m178		1
7	Synthesis and Structure of Quasi-One-Dimensional Niobium Tetrasulfide NbS.. *Inorganic Chemistry*, **2022**,	5.1	1
6	Vanadium O-Centered Selenoiodide Complex: Synthesis and Structure of VO(Se)I. *Inorganic Chemistry*, **2021**, 60, 17627-17634	5.1	1
5	Amorphous pentasulfides MS5 (M = Mo, W) in reactions with thiuram disulfide and halogens. *Inorganica Chimica Acta*, **2020**, 512, 119875	2.7	1

4	Characteristics of P-Type and N-Type Photoelectrochemical Biosensors: A Case Study for Esophageal Cancer Detection. *Nanomaterials*, **2021**, 11,	5.4	1
3	Perovskites **2014**, 257-297		
2	Kinematic Model of Mobile-Cylinder Engine. *Applied Mechanics and Materials*, **2012**, 249-250, 314-320	0.3	
1	Spectral Manifestations of Nonlinear Resonant Wave Interactions in the Vibrational Spectra of Transition Metal Dichalcogenides. *Springer Proceedings in Physics*, **2020**, 337-361	0.2	