

Vladimir E Fedorov

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/2901358/vladimir-e-fedorov-publications-by-year.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Synthesis and Structure of Quasi-One-Dimensional Niobium Tetrasulfide NbS ₄ . <i>Inorganic Chemistry</i> , 2022 ,	5.1	1
128	Optical and Material Characteristics of MoS ₂ /CuO Sensor for Detection of Lung Cancer Cell Types in Hydrophlegia.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	5
127	Vanadium O-Centered Seleniodide Complex: Synthesis and Structure of VO(Se)O ₃ . <i>Inorganic Chemistry</i> , 2021 , 60, 17627-17634	5.1	1
126	Characteristics of P-Type and N-Type Photoelectrochemical Biosensors: A Case Study for Esophageal Cancer Detection. <i>Nanomaterials</i> , 2021 , 11,	5.4	1
125	Thermal and kinetic studies of sulfur-rich molybdenum and tungsten polysulfides. <i>Journal of Alloys and Compounds</i> , 2021 , 851, 156705	5.7	3
124	New O-centered titanium chalcogenide: synthesis and structure of Ti ₄ O(Se ₂) ₄ Br ₆ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021 , 647, 1729-1734	1.3	2
123	Growth Mechanism of Periodic-Structured MoS ₂ by Transmission Electron Microscopy.. <i>Nanomaterials</i> , 2021 , 12,	5.4	6
122	Intelligent Identification of MoS ₂ Nanostructures with Hyperspectral Imaging by 3D-CNN. <i>Nanomaterials</i> , 2020 , 10,	5.4	7
121	Improved thermoelectric properties of layered Ti _{1-x} Nb _x S _{2-y} Se _y solid solutions. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 6289-6297	3.8	2
120	Spectral Manifestations of Nonlinear Resonant Wave Interactions in the Vibrational Spectra of Transition Metal Dichalcogenides. <i>Springer Proceedings in Physics</i> , 2020 , 337-361	0.2	
119	Amorphous pentasulfides MS ₅ (M = Mo, W) in reactions with thiuram disulfide and halogens. <i>Inorganica Chimica Acta</i> , 2020 , 512, 119875	2.7	1
118	Hexamolybdenum Clusters Supported on Exfoliated h-BN Nanosheets for Photocatalytic Water Purification. <i>Inorganic Chemistry</i> , 2020 , 59, 6439-6448	5.1	15
117	First titanium square fragment {Ti ₄ (μ ₂ -Se)(μ ₂ -Se ₂) ₄ } in its seleniodide: Synthesis and structure of Ti ₄ Se ₉ I ₆ . <i>Inorganica Chimica Acta</i> , 2019 , 488, 285-291	2.7	3
116	Theoretical and experimental comparative study of the stability and phase transformations of sesquichalcogenides MQ (M = Nb, Mo; Q = S, Se). <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 1454-1463	3.6	8
115	Pt-Decorated Boron Nitride Nanosheets as Artificial Nanozyme for Detection of Dopamine. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 22102-22112	9.5	98
114	Octahedral Chalcogenide Rhenium Clusters: From Solids to Isolated Cluster Complexes. <i>Structure and Bonding</i> , 2019 , 31-74	0.9	5
113	Thermoelectric properties of W _{1-x} Nb _x Se _{2-y} S _y polycrystalline compounds. <i>Journal of the American Ceramic Society</i> , 2019 , 102, 6060-6067	3.8	9

112	ZrS ₃ : From crystalline samples to colloid dispersions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 579, 123667	5.1	3
111	Revealing the Flexible 1D Primary and Globular Secondary Structures of Sulfur-Rich Amorphous Transition Metal Polysulfides. <i>ChemNanoMat</i> , 2019 , 5, 1488-1497	3.5	4
110	Photodecoloration of Methyl Orange Solution Assisted by ZrS ₃ Powders. <i>Advances in Science, Technology and Engineering Systems</i> , 2019 , 4, 165-170	0.3	2
109	Three-dimensional grids based on graphene oxide and 3,3',4,4'-tetraaminodiphenyl oxide for supercapacitor electrodes. <i>Mendeleev Communications</i> , 2018 , 28, 184-186	1.9	1
108	XPS experimental and DFT investigations on solid solutions of MoReS (0 Nanoscale, 2018 , 10, 10232-10249	4.9	17
107	Metal free MoS ₂ 2D sheets as a peroxidase enzyme and visible-light-induced photocatalyst towards detection and reduction of Cr(VI) ions. <i>New Journal of Chemistry</i> , 2018 , 42, 16919-16929	3.6	21
106	Metal-metal bond excitation in colloidal solution of NbS ₃ . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017 , 179, 46-50	4.4	3
105	Colloidal 2D nanosheets of MoS and other transition metal dichalcogenides through liquid-phase exfoliation. <i>Advances in Colloid and Interface Science</i> , 2017 , 245, 40-61	14.3	115
104	A DFT study and experimental evidence of the sonication-induced cleavage of molybdenum sulfide MoS ₃ in liquids. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 6601-6610	7.1	10
103	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	5.1	12
102	Convenient approach to making nanocomposites based on a chitosan/poly(vinyl pyrrolidone) polymer matrix and a graphene nanofiller. <i>Journal of Applied Polymer Science</i> , 2017 , 134, 45038	2.9	2
101	Oxidizing Properties of the Polysulfide Surfaces of Patronite VS ₄ and NbS ₃ Induced by (S ₂) ₂ Groups: Unusual Formation of Ag ₂ S Nanoparticles. <i>Advanced Materials Interfaces</i> , 2017 , 4, 1700999	4.6	15
100	Anionic Redox Chemistry in Polysulfide Electrode Materials for Rechargeable Batteries. <i>ChemSusChem</i> , 2017 , 10, 4805-4811	8.3	35
99	Gold nanoparticles deposited on the surface of low-dimensional niobium trisulfide and vanadium tetrasulfide. <i>Materials Today: Proceedings</i> , 2017 , 4, 11411-11417	1.4	2
98	Nano-structure ZnO/Cu ₂ O photoelectrochemical and self-powered biosensor for esophageal cancer cell detection. <i>Optics Express</i> , 2017 , 25, 7689-7706	3.3	25
97	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	6.8	42
96	Film Mo _{0.95} Re _{0.05} S ₂ as a strain-sensing element. <i>Sensors and Actuators A: Physical</i> , 2015 , 226, 5-10	3.9	7
95	Ultradisperse Pt nanoparticles anchored on defect sites in oxygen-free few-layer graphene and their catalytic properties in CO oxidation. <i>Carbon</i> , 2015 , 89, 290-299	10.4	31

94	Prospects of molybdenum and rhenium octahedral cluster complexes as X-ray contrast agents. <i>Journal of Inorganic Biochemistry</i> , 2015 , 144, 13-7	4.2	59
93	Polyoxometalates--potent and selective ecto-nucleotidase inhibitors. <i>Biochemical Pharmacology</i> , 2015 , 93, 171-81	6	89
92	Metal Clusters. As They Were Born in Siberia. <i>Journal of Cluster Science</i> , 2015 , 26, 3-15	3	10
91	Spin-Orbit Coupling and d-d Interactions in A ₃ M ₂ X ₉ Enneahalodimetallates. <i>Journal of Cluster Science</i> , 2015 , 26, 17-26	3	1
90	Solid-state reaction as a mechanism of 1T <-> 2H transformation in MoS ₂ monolayers. <i>Journal of Computational Chemistry</i> , 2015 , 36, 2131-4	3.5	11
89	Synthesis, crystal structure, and colloidal dispersions of vanadium tetrasulfide (VS ₄). <i>Chemistry - A European Journal</i> , 2015 , 21, 4639-45	4.8	56
88	New mixed-ligand cyanohydroxo octahedral cluster complex trans-[Re ₆ S ₈ (CN) ₂ (OH) ₄] ₄ and its luminescence properties and chemical reactivity. <i>RSC Advances</i> , 2014 , 4, 60808-60815	3.7	17
87	The first water-soluble hexarhenium cluster complexes with a heterocyclic ligand environment: synthesis, luminescence, and biological properties. <i>Inorganic Chemistry</i> , 2014 , 53, 9006-13	5.1	65
86	Coherent anti-Stokes Raman scattering enhancement of thymine adsorbed on graphene oxide. <i>Nanoscale Research Letters</i> , 2014 , 9, 263	5	28
85	Colloidal solutions of niobium trisulfide and niobium triselenide. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 5479-5486	7.1	29
84	Preparation and characterization of colloidal dispersions of layered niobium chalcogenides. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014 , 461, 30-39	5.1	21
83	Perovskites 2014 , 257-297		
82	Synthesis, properties, and dispersion of few-layer graphene fluoride. <i>Chemistry - an Asian Journal</i> , 2013 , 8, 2015-22	4.5	23
81	The influence of organic agents on the resultant crystal structure in the reactions of the [Re ₄ Te ₄ (CN) ₁₂] ₄ tetrahedral cluster anion with Nd ³⁺ cations. <i>Polyhedron</i> , 2012 , 31, 515-523	2.7	12
80	Selective two-step oxidation of μ-S ligands in trigonal prismatic unit {Re ₃ (μ-C)(μ-S) ₃ Re ₃ } of the bioctahedral cluster anion [Re ₁₂ CS ₁₇ (CN) ₆] ₆ . <i>Inorganic Chemistry</i> , 2012 , 51, 4359-67	5.1	20
79	Transition from 2-D Semiconductor to 1-D Metal State and Electron Density Distribution in Nanolayered MoX ₂ (X = S, Se, Te). <i>Journal of Physical Chemistry C</i> , 2012 , 116, 20651-20655	3.8	13
78	Nucleus-independent chemical shifts and aromaticity in hexanuclear cluster complexes [Mo ₆ X ₈] _n - (X = S, Se, and Te; n = 0 and 4) of Chevrel phases. <i>Journal of Physical Chemistry A</i> , 2012 , 116, 11776-80	2.8	7
77	Functionalization and dispersion of hexagonal boron nitride (h-BN) nanosheets treated with inorganic reagents. <i>Chemistry - an Asian Journal</i> , 2012 , 7, 554-60	4.5	90

76	A hydrogen-bonded and assembled 3D supramolecular network, $[\text{Co}(\text{en})_3] \cdot 1.5(\text{C}_5\text{O}_5)$, with 1D microporous hydrophilic channels showing reversible water ad/desorption property. <i>CrystEngComm</i> , 2012 , 14, 4637	3.3	8
75	Kinematic Model of Mobile-Cylinder Engine. <i>Applied Mechanics and Materials</i> , 2012 , 249-250, 314-320	0.3	
74	Chemically modified graphene sheets by functionalization of highly exfoliated graphite. <i>Journal of Materials Chemistry</i> , 2011 , 21, 3410-3414		49
73	Graphene: chemical approaches to the synthesis and modification. <i>Russian Chemical Reviews</i> , 2011 , 80, 751-770	6.8	52
72	Superfine Expanded Graphite with Large Capacity for Lithium Storage. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2011 , 637, 523-529	1.3	9
71	A New Germanium Complex Containing Chelating Pyridinecarboxylate Ligands: cis-Dihydroxybis(pyridine-2-carboxylato- κ^1, κ^2)germanium Hydrate (1 : 2) (cis- $[\text{Ge}(\text{pyca})_2(\text{OH})_2] \cdot 2 \text{H}_2\text{O}$). <i>Helvetica Chimica Acta</i> , 2011 , 94, 1786-1791	2	1
70	The synthesis and properties of highly exfoliated graphites from fluorinated graphite intercalation compounds. <i>Carbon</i> , 2011 , 49, 3233-3241	10.4	55
69	Octahedral cyanohydroxo cluster complex trans- $[\text{Re}_6\text{Se}_8(\text{CN})_4(\text{OH})_2]_4$ —Synthesis, crystal structure, and properties. <i>Inorganica Chimica Acta</i> , 2011 , 370, 363-368	2.7	37
68	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 Ln^{3+} : Syntheses and crystal structures. <i>Polyhedron</i> , 2011 , 30, 1404-1411	2.7	17
67	Sugar-decorated dendritic nanocarriers: encapsulation and release of the octahedral rhenium cluster complex $[\text{Re}_6\text{S}_8(\text{OH})_6]_4^-$. <i>Chemistry - an Asian Journal</i> , 2010 , 5, 2507-14	4.5	26
66	Novel supramolecular compounds based on Cucurbit[6]uril, 1,8-diaminooctane and octahedral thiohydroxo anions with cluster core $[\text{Re}_6\text{S}_8]$. <i>Inorganica Chimica Acta</i> , 2010 , 363, 4411-4415	2.7	4
65	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 $\text{Na}_{12}[\text{Re}_{12}\text{CS}_{17}(\text{SO}_3)_6] \cdot 8.5\text{H}_2\text{O}$. <i>Polyhedron</i> , 2010 , 29, 3283-3286	2.7	11
64	A new hexanuclear rhenium cluster complex with six terminal acetate ligands: Synthesis, structure, and properties of $\text{K}_4[\text{Re}_6\text{S}_8(\text{CH}_3\text{COO})_6] \cdot \text{BH}_2\text{O}$. <i>Inorganica Chimica Acta</i> , 2010 , 363, 2686-2691	2.7	32
63	The superior dispersion of easily soluble graphite. <i>Small</i> , 2010 , 6, 58-62	11	51
62	One-step exfoliation synthesis of easily soluble graphite and transparent conducting graphene sheets. <i>Advanced Materials</i> , 2009 , 21, 4383-7	24	198
61	Novel Three-Dimensional Coordination Polymers Based on $[\text{Mo}_6\text{Se}_8(\text{CN})_6]_7^-$ Anions and Mn^{2+} Cations. <i>Journal of Cluster Science</i> , 2009 , 20, 165-176	3	18
60	Two Coordination Modes of Bidentate Aminopyrazine Ligands in Cubane-type Cluster Complex $\text{Re}_4\text{Te}_4\text{Cl}_8(\text{C}_4\text{N}_3\text{H}_4)_4 \cdot 2\text{DMF}$. <i>Journal of Cluster Science</i> , 2009 , 20, 77-81	3	2
59	New trans- $[\text{Re}_6\text{S}_8(\text{CN})_4\text{L}_2]_n$ Rhenium Cluster Complexes: Syntheses, Crystal Structures and Properties. <i>Journal of Cluster Science</i> , 2009 , 20, 225-239	3	25

58	Isomerism in tetrahedral rhenium cluster complexes $[Re_4Q_4(PMe_2Ph)_4X_8][nCH_2Cl_2]$ (Q = Se, X = Br; Q = Te, X = Cl, Br). <i>Polyhedron</i> , 2009 , 28, 2973-2976	2.7	3
57	$[M(C_5O_5)_2(H_2O)_n]_2$ 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	3.5	14
56	The first octahedral cluster complexes with terminal formate ligands: synthesis, structure, and properties of $K_4[Re_6S_8(HCOO)_6]$ and $Cs_4[Re_6S_8(HCOO)_6]$. <i>Inorganic Chemistry</i> , 2009 , 48, 2309-15	5.1	49
55	Novel compounds based on $[Re_6Q_8(L)_6]_4$ [Q = S, Se, Te; L = CN, OH] and their applications. <i>Journal of Materials Chemistry</i> , 2009 , 19, 7178		44
54	Unusual H-bonding in novel cyano-cluster polymeric hydrates $[(H)\{Ln(H_2O)_4\}\{Re_6S_8(CN)_6\}] \cdot 2H_2O$ (Ln = Yb, Lu). <i>Chemical Communications</i> , 2009 , 2655-7	5.8	17
53	Self-assembly of ambivalent organic/inorganic building blocks containing Re_6 metal atom cluster: formation of a luminescent honeycomb, hollow, tubular metal-organic framework. <i>Inorganic Chemistry</i> , 2009 , 48, 1482-9	5.1	56
52	A series of three-dimensional coordination polymers with general formula $[(Ln(H_2O)_n)\{Re_6Te_8(CN)_6\}]_x \cdot xH_2O$ (Ln=Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb; n=3, 4, x=0, 2.5). <i>Polyhedron</i> , 2008 , 27, 2357-2364	2.7	27
51	C_4 carbide ligand in the trigonal prismatic environment of rheniums in $[Re_{12}CS_{17}(CN)_6]_n$ complexes. <i>Polyhedron</i> , 2008 , 27, 3167-3171	2.7	10
50	Cellular uptake and cytotoxicity of octahedral rhenium cluster complexes. <i>Journal of Inorganic Biochemistry</i> , 2008 , 102, 1991-6	4.2	57
49	Halogen-halogen interactions in $[Mo_3X_7Y_7]_3$ clusters (X=S, Se, Te; Y=Cl, Br, I). <i>Computational and Theoretical Chemistry</i> , 2008 , 849, 112-115		3
48	Proton Transfer in a New Chain-Like Cluster Compound $H[Lu(H_2O)_6\{Re_4Te_4(CN)_{12}\}] \cdot 6H_2O$. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 11008-11011	3.8	12
47	Synthesis, Structures and Properties of Cluster Complexes $[H_3O(Ph_3PO)_3]_2[Mo_6Cl_{14}]$ and $[H(Ph_3PO)_2]_2[Re_6S_6Br_8]$. <i>European Journal of Inorganic Chemistry</i> , 2007 , 2007, 2055-2060	2.3	7
46	Octahedral aqua fluoride rhenium cluster complexes $K[Re_6S_8F_3(H_2O)_3] \cdot 7H_2O$, $H_3O[Re_6Se_8F_3(H_2O)_3] \cdot 7H_2O$ and $[Re_6Q_8F_2(H_2O)_4] \cdot 2H_2O$ (Q=S, Se): Synthesis and structure. <i>Inorganica Chimica Acta</i> , 2007 , 360, 2953-2957	2.7	12
45	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, 3714-21	16.4	56
44	A family of octahedral rhenium cluster complexes $[Re_6Q_8(H_2O)_n(OH)_{6-n}]_n \cdot 4$ (Q=S, Se; n=0-6): structural and pH-dependent spectroscopic studies. <i>Inorganic Chemistry</i> , 2007 , 46, 7414-22	5.1	68
43	Glycerol as Ligand: The Synthesis, Crystal Structure, and Properties of Compounds $[Ln_2(H_2L)_2(H_3L)_4][Re_6Q_8(CN)_6]$, Ln = La, Nd, Gd, Q = S, Se. <i>European Journal of Inorganic Chemistry</i> , 2006 , 2006, 298-303	2.3	21
42	The First Coordination Polymers Based on Octahedral Hexahydroxo Rhenium Cluster Complexes $[Re_6Q_8(OH)_6]_4$ [Q = S, Se] and Alkaline Earth Metal Cations. <i>European Journal of Inorganic Chemistry</i> , 2006 , 2006, 553-557	2.3	31
41	Design of Cyano-Bridged Coordination Polymers Based on Tetrahedral Rhenium Cluster Cyanide Complexes and 3d Transition Metals. <i>European Journal of Inorganic Chemistry</i> , 2006 , 2006, 2533-2549	2.3	40

40	Hexaaquadodeca-chloro-hexaniobium(II,III) dichloride 2,2'-bipyridine trisolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006 , 62, m175-m178		1
39	Applicability of natural abundance ³³ S solid-state NMR to cement chemistry. <i>Cement and Concrete Research</i> , 2006 , 36, 1781-1783	10.3	23
38	Octahedral rhenium cluster complexes with organic ligands: Synthesis, structure and properties of [Re ₆ Q ₈ (3,5-Me ₂ PzH) ₆]Br ₂ ·2(3,5-Me ₂ PzH) (Q=S, Se). <i>Inorganica Chimica Acta</i> , 2006 , 359, 1129-1134	2.7	39
37	Cyano-bridged chalcocyanide complexes based on the cubane-like cluster with mixed cluster core {Re ₄ S ₄ Te _x }. <i>Polyhedron</i> , 2006 , 25, 1233-1238	2.7	12
36	V ₄ S ₉ Br ₄ : a novel high-spin vanadium cluster thiobromide with square-planar metal core. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 23804-7	3.4	16
35	Coordination chemistry of Re complexes with 2(2'-pyridyl)benzimidazole. <i>Inorganica Chimica Acta</i> , 2005 , 358, 3914-3918	2.7	12
34	⁹³ Nb NMR chemical shift scale for niobia systems. <i>Solid State Nuclear Magnetic Resonance</i> , 2005 , 28, 204-24	3.1	52
33	First Examples of Chalcofluoride Rhenium Cluster Complexes with Cubane-Like Anions [Re ₄ Q ₄ F ₁₂] ₄ (Q = S, Se). <i>European Journal of Inorganic Chemistry</i> , 2005 , 2005, 2476-2479	2.3	9
32	Octahedral Hexahydroxo Rhenium Cluster Complexes [Re ₆ Q ₈ (OH) ₆] ₄ (Q = S, Se): Synthesis, Structure, and Properties. <i>European Journal of Inorganic Chemistry</i> , 2005 , 2005, 3945-3949	2.3	80
31	[Re ₁₂ CS ₁₇ (CN) ₆] _n (n=6, 8): a sulfido-cyanide rhenium cluster with an interstitial carbon atom. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 6867-71	16.4	39
30	[Re ₁₂ CS ₁₇ (CN) ₆] _n (n=6, 8): A Sulfido-Cyanide Rhenium Cluster with an Interstitial Carbon Atom. <i>Angewandte Chemie</i> , 2005 , 117, 7027-7031	3.6	4
29	Novel Low Dimensional Cluster Compounds: Syntheses and Crystal Structures of Cs ₂ [(Me ₃ Sn) ₃ {Re ₆ Se ₈ (CN) ₆ }] ₂ ·2H ₂ O, [(Me ₃ Sn)(H ₂ O)] ₂ {Me ₃ Sn}{Re ₆ Se ₈ (CN) ₆ }·2H ₂ O, and [(Me ₃ Sn) ₃ (OH) ₂][(Me ₃ Sn) ₃ {Re ₆ Se ₈ (CN) ₆ }]·pH Control of the Structural Dimensionality. <i>Journal of Cluster Science</i> , 2005 , 17, 253-267	3	16
28	New compounds from tellurocyanide rhenium cluster anions and 3d-transition metal cations coordinated with ethylenediamine. <i>Inorganic Chemistry</i> , 2004 , 43, 4833-8	5.1	71
27	A new chalcocyanide cubane rhenium salt: tetrakis(tetraphenylphosphonium) dodecacyno-hexahydro-tetratelluriumtetrarhenate(IV) trihydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2004 , 60, m1817-m1818		4
26	Rhenium-chalcogenide-cyano clusters, Cu(2+) ions, and 1,2,3,4-tetraaminobutane as molecular building blocks for chiral coordination polymers. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 1297-300	16.4	121
25	Rhenium-Chalkogenid-Cyano-Cluster, Cu ²⁺ und 1,2,3,4-Tetraaminobutan als molekulare Bausteine für chirale Koordinationspolymere. <i>Angewandte Chemie</i> , 2004 , 116, 1317-1321	3.6	16
24	Reactions of transition-metal cations with [Re ₆ Te ₈ (CN) ₆] ₄ —syntheses and structures of [Zn(NH ₃) ₄] ₂ [Re ₆ Te ₈ (CN) ₆], [Co(NH ₃) ₅] ₂ [Re ₆ Te ₈ (CN) ₆] ₄ ·4H ₂ O, and [Ni(NH ₃) ₅] ₂ [Re ₆ Te ₈ (CN) ₆] ₄ ·4H ₂ O. <i>Inorganica Chimica Acta</i> , 2004 , 357, 728-732	2.7	14
23	Synthesis and structures of new octahedral water-soluble heterometal rhenium-molybdenum clusters. <i>Polyhedron</i> , 2004 , 23, 599-603	2.7	16

22	Novel inorganic ionic compounds based on Re ₆ chalcocyanide cluster complexes: synthesis and crystal structures of [CuNH ₃ (trien)] ₂ [Re ₆ S ₈ (CN) ₆]·7H ₂ O, [CuNH ₃ (trien)] ₂ [Re ₆ Se ₈ (CN) ₆] and [CuNH ₃ (trien)] ₂ [Re ₆ Te ₈ (CN) ₆]·H ₂ O. <i>Polyhedron</i> , 2003 , 22, 3383-3387	2.7	25
21	Access to a novel niobium octahedral cluster core via soft chemistry: synthesis and structure of K _{2.6} Cs _{3.4} [Nb ₆ Cl ₄ O ₄ (OH) ₄ (CN) ₆]·BH ₂ O containing isolated Nb ₆ Cl ₄ O ₄ (OH) ₄ (CN) ₆ cluster unit. <i>Inorganica Chimica Acta</i> , 2003 , 350, 503-510	2.7	19
20	Preparation, structures, and redox and emission characteristics of the isothiocyanate complexes of hexarhenium(III) clusters [Re ₆ (μ ³ -E) ₈ (NCS) ₆] ₄ - (E = S, Se). <i>Inorganic Chemistry</i> , 2003 , 42, 4857-63	5.1	50
19	Syntheses and X-ray structures of a series of V ₂ S ₄ (RCS ₂) ₄ (R=alkoxy, dialkylamino) complexes. <i>Inorganica Chimica Acta</i> , 2002 , 331, 25-30	2.7	17
18	Novel inorganic polymeric compounds based on the Re ₄ chalcocyanide cluster complexes: synthesis and crystal structures of Mn ₂ [Re ₄ Se ₄ (CN) ₁₂]·6H ₂ O, Cd ₂ [Re ₄ Te ₄ (CN) ₁₂]·6H ₂ O, Cu ₂ [Re ₄ Te ₄ (CN) ₁₂]·4H ₂ O and K ₄ Re ₄ Se ₄ (CN) ₁₂ ·6H ₂ O. <i>Polyhedron</i> , 2001 , 20, 969-974	2.7	36
17	New polymeric structure of rhenium octahedral chalcocyanide complex: Ln ³⁺ -derived network with one-dimensional channels. <i>Inorganic Chemistry Communication</i> , 2001 , 4, 423-426	3.1	32
16	Extended framework materials incorporating cyanide cluster complexes: structure of the first 3D architecture accommodating organic molecules. <i>Chemical Communications</i> , 2001 , 571-572	5.8	71
15	[[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. <i>Inorganic Chemistry</i> , 2001 , 40, 6320-3	5.1	61
14	Excision of the. <i>Chemistry - A European Journal</i> , 2000 , 6, 1361-5	4.8	55
13	Unusually high porosity in polymeric cluster cyanides: the synthesis and crystal structure of (H ₃ O) ₂ Zn ₃ [Re ₆ Se ₈ (CN) ₆]·2H ₂ O. <i>Inorganic Chemistry Communication</i> , 2000 , 3, 71-72	3.1	46
12	Layered K ₄ [Re ₆ S ₁₀ (CN) ₂] and chainlike K ₄ [Re ₆ Se ₁₀ (CN) ₄]: new types of chalcocyanide cluster compounds with bridging chalcogenide ligands. <i>Inorganic Chemistry</i> , 2000 , 39, 1809-11	5.1	31
11	Unusual Capping Chalcogenide Dependence of the Luminescence Quantum Yield of the Hexarhenium(III) Cyano Complexes [Re ₆ (μ-E) ₈ (CN) ₆] ₄ ·E ₂ ·Se ₂ ·S ₂ ·Te ₂ . <i>Chemistry Letters</i> , 1999 , 28, 1121-1122	1.7	98
10	Neuartiger Gerüsttyp bei anorganischen Clustern mit Cyanidliganden: die Strukturen von Cs ₂ Mn ₃ [Re ₆ Se ₈ (CN) ₆]·2·15 H ₂ O und (H ₃ O) ₂ Co ₃ [Re ₆ Se ₈ (CN) ₆]·2·14.5 H ₂ O. <i>Angewandte Chemie</i> , 1998 , 110, 2043-2045	3.6	15
9	Eine unerwartete Schichtstruktur bei anorganischen Cyanid-Clustern: [Cu ₄ (μ-OH) ₄][Re ₄ (μ-Te) ₄ (CN) ₁₂]. <i>Angewandte Chemie</i> , 1998 , 110, 2656-2658	3.6	3
8	A Novel Framework Type for Inorganic Clusters with Cyanide Ligands: Crystal Structures of Cs ₂ Mn ₃ [Re ₆ Se ₈ (CN) ₆]·2·15 H ₂ O and (H ₃ O) ₂ Co ₃ [Re ₆ Se ₈ (CN) ₆]·2·14.5 H ₂ O. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 1943-1945	16.4	148
7	An Unexpected Layered Structure in Inorganic Cyanide Clusters: [Cu(μOH)] ₄ [Re(μTe)(CN)] ₄ . <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 2507-2509	16.4	34
6	Structure and Reactivity of [Mo(3)-μ ₃ (3)S-(μ ₃ S(2)) ₃] ⁽⁴⁺⁾ Complexes. Quantum Chemical Calculations, X-ray Structural Characterization, and Raman Spectroscopic Measurements. <i>Inorganic Chemistry</i> , 1998 , 37, 2633-2644	5.1	40
5	Molecular octahedral sulfido-bromide rhenium clusters: Synthesis and crystal structure of (PPh ₄) ₂ [Re ₆ S ₆ Br ₈]·d CH ₃ C ₆ H ₅ and (PPh ₄) ₃ [Re ₆ S ₇ Br ₇]. <i>Polyhedron</i> , 1996 , 15, 1229-1233	2.7	18

4	Synthesis and crystal structure of a hexanuclear rhenium cluster complex $\text{Cs}_3\text{K}[\text{Re}_6(\text{B-S})_6(\text{B-Te}_{0.66}\text{S}_{0.34})_2(\text{CN})_6]$. Cationic control over orientation of the cluster anion. <i>Polyhedron</i> , 1995 , 14, 3171-3173	2.7	68
3	$\text{Nb}_2\text{S}_4^{4+}$ Complexes with 1,1-Dithioacid Ligands. <i>Inorganic Chemistry</i> , 1994 , 33, 3503-3509	5.1	32
2	Superconducting shields and manufactured ceramic wares of complex configuration. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 185-189, 2491-2492	1.3	2
1	Perovskites 257-297		2