

Sabyasachi Sarkar

List of Publications by Year in descending order

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210
papers

5,503
citations

101384

36
h-index

106150

65
g-index

222
all docs

222
docs citations

222
times ranked

5170
citing authors

#	ARTICLE	IF	CITATIONS
1	Archimedean Synthesis and Magic Numbers: Sizing Giant Molybdenum-Oxide-Based Molecular Spheres of the Keplerate Type. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 3238-3241.	7.2	381
2	Growth stimulation of gram (<i>Cicer arietinum</i>) plant by water soluble carbon nanotubes. <i>Nanoscale</i> , 2011, 3, 1176.	2.8	257
3	A Chemodosimeter for the Ratiometric Detection of Hydrazine Based on Return of ESIPT and Its Application in Live-Cell Imaging. <i>Organic Letters</i> , 2013, 15, 5412-5415.	2.4	236
4	Modeling for the Active Site of Sulfite Oxidase: Synthesis, Characterization, and Reactivity of [MoVIO ₂ (mnt) ₂] ₂ - (mnt ₂ - = 1,2-Dicyanoethylenedithiolate). <i>Journal of the American Chemical Society</i> , 1994, 116, 9061-9070.	6.6	151
5	Bioinorganic chemistry of molybdenum and tungsten enzymes: A structural-functional modeling approach. <i>Coordination Chemistry Reviews</i> , 2011, 255, 1039-1054.	9.5	133
6	Influence of water soluble carbon dots on the growth of wheat plant. <i>Applied Nanoscience (Switzerland)</i> , 2015, 5, 609-616.	1.6	131
7	Water soluble carbon nano-onions from wood wool as growth promoters for gram plants. <i>Nanoscale</i> , 2012, 4, 7670.	2.8	126
8	Carbon nanoparticles in biochar™ boost wheat (<i>Triticum aestivum</i>) plant growth. <i>RSC Advances</i> , 2014, 4, 39948.	1.7	117
9	Carbon Nano-onions for Imaging the Life Cycle of <i>Drosophila Melanogaster</i> . <i>Small</i> , 2011, 7, 3170-3177.	5.2	115
10	Modeling the Tungsten Sites of Inactive and Active Forms of Hyperthermophilic <i>Pyrococcus furiosus</i> Aldehyde Ferredoxin Oxidoreductase. <i>Journal of the American Chemical Society</i> , 1996, 118, 1387-1397.	6.6	113
11	Synthetic aspects of Cu-Mo-S systems and their possible relevance to copper-molybdenum antagonism. <i>Coordination Chemistry Reviews</i> , 1984, 59, 239-264.	9.5	103
12	A reaction based colorimetric as well as fluorescence turn on™ probe for the rapid detection of hydrazine. <i>RSC Advances</i> , 2014, 4, 14210.	1.7	93
13	ROS generation by reduced graphene oxide (rGO) induced by visible light showing antibacterial activity: comparison with graphene oxide (GO). <i>RSC Advances</i> , 2015, 5, 80192-80195.	1.7	86
14	Linking Icosahedral, Strong Molecular Magnets {MoFe} to Layers: A Solid-State Reaction at Room Temperature. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 1612-1614.	7.2	81
15	Pollutant soot of diesel engine exhaust transformed to carbon dots for multicoloured imaging of <i>E. coli</i> and sensing cholesterol. <i>RSC Advances</i> , 2014, 4, 30100.	1.7	81
16	Carbon Nano-Onions as Nontoxic and High-Fluorescence Bioimaging Agent in Food Chain: An In Vivo Study from Unicellular <i>E. coli</i> to Multicellular <i>C. elegans</i> . <i>Materials Express</i> , 2012, 2, 105-114.	0.2	79
17	From the traditional way of pyrolysis to tunable photoluminescent water soluble carbon nano-onions for cell imaging and selective sensing of glucose. <i>RSC Advances</i> , 2016, 6, 37319-37329.	1.7	76
18	Sustainable Changes in the Contents of Metallic Micronutrients in First Generation Gram Seeds Imposed by Carbon Nano-onions: Life Cycle Seed to Seed Study. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 2906-2916.	3.2	73

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19	Directed Synthesis of [Mo ₃ S ₁₃] ²⁻ , an Isolated Cluster Containing Sulfur Atoms in Three Different States of Bonding. <i>Angewandte Chemie International Edition in English</i> , 1978, 17, 535-535.	4.4	66
20	Nano-iron pyrite seed dressing: a sustainable intervention to reduce fertilizer consumption in vegetable (beetroot, carrot), spice (fenugreek), fodder (alfalfa), and oilseed (mustard, sesamum) crops. <i>Nanotechnology for Environmental Engineering</i> , 2016, 1, 1.	2.0	65
21	A Nickel(II)-Sulfur-Based Radical-Ligand Complex as a Functional Model of Hydrogenase. <i>Chemistry - A European Journal</i> , 2010, 16, 12324-12327.	1.7	61
22	Water-Induced Formation, Characterization, and Photoluminescence of Carbon Nanotube-Based Composites of Gadolinium(III) and Platinum(II) Dithiolenes. <i>Chemistry - A European Journal</i> , 2014, 20, 16657-16661.	1.7	60
23	Sustainable Feasibility of the Environmental Pollutant Soot to Few-Layer Photoluminescent Graphene Nanosheets for Multifunctional Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 6399-6408.	3.2	60
24	A Functional Mimic of the New Class of Tungstoenzyme, Acetylene Hydratase. <i>Journal of the American Chemical Society</i> , 1997, 119, 4315-4316.	6.6	56
25	Carbon dioxide Gating in Silk Cocoon. <i>Biointerphases</i> , 2012, 7, 45.	0.6	53
26	Chemistry of [Et ₄ N][MoIV(SPh)(PPh ₃)(mnt) ₂] as an Analogue of Dissimilatory Nitrate Reductase with Its Inactivation on Substitution of Thiolate by Chloride. <i>Journal of the American Chemical Society</i> , 2006, 128, 4196-4197.	6.6	49
27	Large-scale synthesis of soluble graphitic hollow carbon nanorods with tunable photoluminescence for the selective fluorescent detection of DNA. <i>New Journal of Chemistry</i> , 2016, 40, 1571-1579.	1.4	49
28	Synthesis and characterization of water-soluble carbon nanotubes from mustard soot. <i>Pramana - Journal of Physics</i> , 2005, 65, 681-697.	0.9	48
29	A Triphenyl Amine-Based Solvatochromic Dye for the Selective and Ratiometric Sensing of OCl ⁻ in Human Blood Cells. <i>Chemistry - an Asian Journal</i> , 2015, 10, 694-700.	1.7	48
30	ESIPT based Hg ²⁺ and fluoride chemosensor for sensitive and selective "turn on" red signal and cell imaging. <i>RSC Advances</i> , 2015, 5, 5735-5740.	1.7	47
31	Carbon nano onions cross the blood brain barrier. <i>RSC Advances</i> , 2016, 6, 29779-29782.	1.7	43
32	Thioheteroanions-Unusual Metal-Ligand Interaction and Reactions. <i>Angewandte Chemie International Edition in English</i> , 1977, 16, 705-707.	4.4	42
33	Synthesis of carbogenic nanosphere from peanut skin. <i>Diamond and Related Materials</i> , 2012, 24, 11-14.	1.8	42
34	Self-assembled nanotubes from single fluorescent amino acid. <i>Applied Nanoscience (Switzerland)</i> , 2017, 7, 101-107.	1.6	41
35	Nitrogen-doped fluorescent graphene nanosheets as visible-light-driven photocatalysts for dye degradation and selective sensing of ascorbic acid. <i>New Journal of Chemistry</i> , 2019, 43, 14575-14583.	1.4	41
36	One-pot general synthesis of metalloporphyrins. <i>Tetrahedron Letters</i> , 2007, 48, 7287-7290.	0.7	39

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37	Nanospheres of copper(iii) 1,2-dicarbomethoxy-1,2-dithiolate and its composite with water soluble carbon nanotubes. <i>New Journal of Chemistry</i> , 2013, 37, 2708.	1.4	38
38	Exploration of nano carbons in relevance to plant systems. <i>New Journal of Chemistry</i> , 2018, 42, 16411-16427.	1.4	38
39	NO_2 -Mediated <i>meso</i> -Hydroxylation of Iron(III) Porphyrin. <i>Inorganic Chemistry</i> , 2009, 48, 1790-1792.	1.9	37
40	P_2O_5 Assisted Green Synthesis of Multicolor Fluorescent Water Soluble Carbon Dots. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 2334-2342.	0.9	36
41	Iron pyrite, a potential photovoltaic material, increases plant biomass upon seed pretreatment. <i>Materials Express</i> , 2014, 4, 23-31.	0.2	36
42	A highly selective ratiometric chemosensor for Ni^{2+} in a quinoxaline matrix. <i>New Journal of Chemistry</i> , 2014, 38, 6230-6235.	1.4	34
43	Fluorescent microspheres of zinc 1,2-dicarbomethoxy-1,2-dithiolate complex decorated with carbon nanotubes. <i>Carbon Letters</i> , 2019, 29, 595-603.	3.3	34
44	Water soluble nanocarbons arrest the growth of mosquitoes. <i>RSC Advances</i> , 2013, 3, 22504.	1.7	33
45	Isolation of water soluble carbon nanotubes with network structure possessing multipodal junctions and its magnetic property. <i>RSC Advances</i> , 2013, 3, 7306.	1.7	33
46	Ferromagnetic Behaviour of Anthropogenic Multi-Walled Carbon Nanotubes Trapped in Spider Web Indoor. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 2532-2538.	0.9	32
47	Extraction of preformed graphene oxide from coal: its clenched fist form entrapping large molecules. <i>RSC Advances</i> , 2015, 5, 89076-89082.	1.7	32
48	Structural and Functional Analogue of the Active Site of Polysulfide Reductase from <i>Wolinellasuccinogenes</i> . <i>Inorganic Chemistry</i> , 2004, 43, 4532-4533.	1.9	31
49	Graphene oxide from silk cocoon: a novel magnetic fluorophore for multi-photon imaging. <i>3 Biotech</i> , 2014, 4, 67-75.	1.1	31
50	A novel single step synthesis of dinitrosylmolybdenum derivatives directly from molybdate(VI) in aerobic and aqueous media. <i>Inorganica Chimica Acta</i> , 1979, 35, L357-L358.	1.2	30
51	Selectivity of Thiolate Ligand and Preference of Substrate in Model Reactions of Dissimilatory Nitrate Reductase. <i>Inorganic Chemistry</i> , 2008, 47, 3393-3401.	1.9	30
52	Self-Assembly of Magnesium and Zinc Trimethoxyphenylporphyrin Polymer as Nanospheres and Nanorods. <i>Crystal Growth and Design</i> , 2011, 11, 5410-5414.	1.4	30
53	Nano iron pyrite (FeS_2) exhibits bi-functional electrode character. <i>RSC Advances</i> , 2016, 6, 16859-16867.	1.7	30
54	Unique Fluorogenic Ratiometric Fluorescent Chemodosimeter for Rapid Sensing of $\text{CN}^{\cdot-}$ in Water. <i>Chemistry - an Asian Journal</i> , 2014, 9, 3623-3632.	1.7	29

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55	Oxidative Degradation of Zinc Porphyrin in Comparison with Its Iron Analogue. Chemistry - A European Journal, 2010, 16, 10649-10652.	1.7	28
56	Ein Beitrag zur Synthese und Reaktivität von Nitrosyl-Komplexen. Direkte Darstellung von Thiocyanatonitrosyl-Komplexen und von $[\text{Mo}(\text{NO})(\text{CN})_5]^{3-}$ / A Contribution on the Synthesis and Reactivity of Nitrosyl Complexes. Direct Preparation of Thiocyanatonitrosyl Complexes and of $[\text{Mo}(\text{NO})(\text{CN})_5]^{3-}$. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 1978, 33, 1053-1055.	0.3	28
57	Thio- "Heteroanionen" - au-ergew-ähnliche Metall-Liganden-Wechselwirkung und Reaktionen. Angewandte Chemie, 1977, 89, 748-750.	1.6	27
58	Inhibition patterns of a model complex mimicking the reductive half-reaction of sulphite oxidase. Biochemical Journal, 1996, 319, 953-959.	1.7	27
59	Fluorescent silk cocoon creating fluorescent diatom using a "Water glass-fluorophore ferry". Scientific Reports, 2013, 3, 3290.	1.6	27
60	Cyclic Bis-porphyrin-Based Flexible Molecular Containers: Controlling Guest Arrangements and Supramolecular Catalysis by Tuning Cavity Size. Chemistry - A European Journal, 2017, 23, 7093-7103.	1.7	27
61	Carbon Nanocubes and Nanobricks from Pyrolysis of Rice. Journal of Nanoscience and Nanotechnology, 2010, 10, 4064-4067.	0.9	26
62	Synthesis and characterization of a mononuclear Mo(IV) oxo complex $(\text{Et}_4\text{N})_2 [\text{MoO}(\text{S}_2\text{C}_2(\text{COPh})_2)_2]$. Inorganica Chimica Acta, 1987, 133, 133-136.	1.2	25
63	A structural model of mixed metal sulfide cluster of molybdenum and copper present in the orange protein of <i>Desulfovibrio gigas</i> . Inorganic Chemistry Communication, 2004, 7, 1027-1029.	1.8	25
64	Structure of the Michaelis Complex and Function of the Catalytic Center in the Reductive Half-Reaction of Computational and Synthetic Models of Sulfite Oxidase. Chemistry - an Asian Journal, 2007, 2, 956-964.	1.7	25
65	Pyrophosphate selective fluorescent chemosensors: cascade recognition of nuclear stain mimicking DAPI. Dalton Transactions, 2014, 43, 12689.	1.6	25
66	Darstellung, Redox-Verhalten und Strukturen einkerniger "einfacher" Mono- und Dinitrosyl-Komplexe des Molybd-1/2ns mit Hydroxylamido(?1)-, Oximato-, Halogeno- und Pseudohalogeno-Liganden. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 1983, 503, 22-36.	0.6	24
67	NO ₂ adducts of C ₆₀ : synthesis of polynitro- "polyhydroxy fullerenes. Journal of the Chemical Society Chemical Communications, 1994, , 275-276.	2.0	24
68	Fluorescence imaging of human erythrocytes by carbon nanoparticles isolated from food stuff and their fluorescence enhancement by blood plasma. Materials Express, 2013, 3, 201-209.	0.2	24
69	Theoretical studies on mechanisms of some Mo enzymes. Journal of Biological Inorganic Chemistry, 2015, 20, 323-335.	1.1	24
70	Probing Bis-Fe ^{IV} MauC: Isolation of Highly Reactive Radical Intermediates. Chemistry - A European Journal, 2017, 23, 10270-10275.	1.7	24
71	Flexible Cu ^I -Thiolate Clusters with Relevance to Metallothioneins. European Journal of Inorganic Chemistry, 2007, 2007, 5548-5555.	1.0	23
72	A Magnesium Porphyrin Bicarbonate Complex with CO ₂ -Modulated Photosystem...l Action. Angewandte Chemie - International Edition, 2011, 50, 10603-10607.	7.2	23

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73	Replica of a Fishy Enzyme: Structure-Function Analogue of Trimethylamine-N-Oxide Reductase. <i>Inorganic Chemistry</i> , 2013, 52, 5316-5327. Notizen: Nachweis eines doppelt verbrückenden MoS ₄ ²⁻ -Liganden zwischen Fe-Zentren mit dem Resonanz-Raman-Effekt und einfache Darstellung von	1.9	23
74	[(C ₆ H ₅) ₅ P] ₂ [Cl ₂ Fe ₂ MoS ₂ FeCl ₂]/ Identification of a Doubly Bridging MoS ₄ ²⁻ Ligand between Fe-Centers by the Resonance Raman Effect and a Simple Preparation of [(C ₆ H ₅) ₅ P] ₂ . <i>Zeitschrift Für Naturforschung - Section B Journal of Chemical Sciences</i> , 1980, 35, 1592-1593.	0.3	22
75	[Mo ₄ (NO) ₄ (S ₂) ₆ O] ₂ ⁴⁺ , A Novel Highly Symmetric Polynuclear Complex with Two "Handle-Shaped" and Four "Roof-Shaped" Coordinated S ²⁻ Bridging Ligands at a Tetragonal Mo ₄ Disphenoid. <i>Angewandte Chemie International Edition in English</i> , 1982, 21, 535-536.	4.4	21
76	An efficient and eco-friendly protocol to synthesize calix[4]pyrroles. <i>Tetrahedron Letters</i> , 2006, 47, 5851-5854.	0.7	21
77	Synthesis, X-structure and solvent induced electronic states tuning of meso-tris(4-nitrophenyl)corolato-copper complex. <i>Inorganica Chimica Acta</i> , 2010, 363, 4313-4318.	1.2	21
78	The seed stimulant effect of nano iron pyrite is compromised by nano cerium oxide: regulation by the trace ionic species generated in the aqueous suspension of iron pyrite. <i>RSC Advances</i> , 2016, 6, 67029-67038.	1.7	21
79	Reusable palladium nanoparticles in one-pot domino Sonogashira-cyclization: regio- and stereo-selective syntheses of (Z)-3-methyleneisindoline-1-ones and furo[3,2-h]quinolines in water. <i>Tetrahedron Letters</i> , 2016, 57, 43-47.	0.7	21
80	One Electron Reduced Square Planar Bis(benzene-1,2-dithiolato) Copper Dianionic Complex and Redox Switch by O ₂ /HO [•] . <i>Inorganic Chemistry</i> , 2014, 53, 12799-12808.	1.9	20
81	CO ₂ fixation by [WIVO(S ₂ C ₂ (CN) ₂) ₂] ²⁻ : functional model for the tungsten-formate dehydrogenase of <i>Clostridium thermoaceticum</i> . <i>Journal of Chemical Sciences</i> , 1992, 104, 533-534.	0.7	20
82	Synthesis and structure of [L][MoIVO(mnt) ₂] {L=[(C ₂ H ₅) ₄ N] ⁺ , [C ₅ H ₅ NH] ⁺ , [(C ₂ H ₅) ₃ NH] ⁺ , [lysinium] ²⁺ and (mnt) ²⁻ =1,2-dicyanoethylenedithiolate} in relevance to molybdenum cofactor of diverse class of molybdoenzymes. <i>Journal of Molecular Structure</i> , 2003, 656, 169-176.	1.8	19
83	Non-Toxicity of Water Soluble Multi-Walled Carbon Nanotube on <i>Escherichia-coli</i> Colonies. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 1754-1759.	0.9	19
84	Involuntary graphene intake with food and medicine. <i>RSC Advances</i> , 2014, 4, 30162.	1.7	19
85	Nanodomain cubic cuprous oxide as reusable catalyst in one-pot synthesis of 3-alkyl/aryl-3-(pyrrole-2-yl/indole-3-yl)-2-phenyl-2,3-dihydro-isoinidolinones in aqueous medium. <i>RSC Advances</i> , 2014, 4, 7024.	1.7	19
86	Sulphur mediated induced electron transfer reactions in W ⁵⁺ S systems: Synthesis and reactivity of (Et ₄ N) ₂ [W ₂ (V)O ₂ (^{1/4} -S) ₂ (S ₂) ₂]. <i>Polyhedron</i> , 1988, 7, 471-476.	1.0	18
87	First report on manganese(II)-tetrathiometalate(VI) complexes: isolation of [(bpy) ₂ Mn(μ-S) ₂ MS ₂] (M) Tj ETQq1 _{1,9} 0.7843 ₁₄ rgBT / DV	1.9	18
88	Direct Incorporation of a Ferric Ion in the Porphyrinogen Core: Tetrakis(cyclohexyl)iron Porphyrinogen Anion with Different Conformers and Its Reaction with Iodine. <i>Inorganic Chemistry</i> , 2005, 44, 7699-7701.	1.9	18
89	An Iron(III) Dithiolene Complex as a Functional Model of Iron Hydrogenase. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 40-43.	1.0	18
90	Effect of extrusion cooking on anti-nutritional factor tannin in linseed (<i>Linum usitatissimum</i>) meal. <i>International Journal of Food Sciences and Nutrition</i> , 2007, 58, 588-594.	1.3	17

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91	Mono-oxo Bis(dithiolene) Mo(IV)/W(IV) Complexes as Building Blocks for Sulfide Bridged Bi- and Tri-Nuclear Complexes. <i>Inorganic Chemistry</i> , 2008, 47, 5360-5364.	1.9	17
92	Structural changes of DNA induced by mono- and binuclear cancer drugs. <i>Journal of Structural Biology</i> , 2005, 150, 277-283.	1.3	16
93	Thermally induced reversible conformational changes in the host-guest adduct of meso-tetramethyltetrakis(ethyl)calix[4]pyrrole. <i>Tetrahedron Letters</i> , 2007, 48, 5481-5485.	0.7	16
94	Necessity of fine tuning in Mo(IV) bis(dithiolene) complexes to warrant nitrate reduction. <i>Dalton Transactions</i> , 2009, , 1927.	1.6	16
95	Nanocomposites of carbon quantum dots-nickel(II) dithiolene as nanolights. <i>Journal of Materials Chemistry</i> , 2011, 21, 19210.	6.7	15
96	Oxo-Mo(IV)(dithiolene)thiolato Complexes: Analogue of Reduced Sulfite Oxidase. <i>Inorganic Chemistry</i> , 2013, 52, 3032-3042.	1.9	15
97	Sequential entrapping of Li and S in a conductivity cage of N-doped reduced graphene oxide supercapacitor derived from silk cocoon: a hybrid S-silk supercapacitor. <i>Applied Nanoscience (Switzerland)</i> , 2018, 8, 379-393.	1.6	15
98	Determination of the Structure of New Tetrathiomolybdate Complexes of FeII, CuI and AgI by the Resonance Raman Effect: Textbook Examples for its Application in Coordination Chemistry. <i>Angewandte Chemie International Edition in English</i> , 1981, 20, 1061-1063.	4.4	14
99	Aging of ammonium tetrathiomolybdate(VI) in air: an example of induced electron transfer by external oxidant, oxygen. <i>Journal of the Less Common Metals</i> , 1987, 134, 23-25.	0.9	14
100	Dangling Thiyl Radical: Stabilized in [PPh ₄] ₂ [(bdt)W ^{VI} (O)(μ -S) ₂ Cu ^I (SC ₆ H ₄) ₄ S ₂] ₂ . <i>Inorganic Chemistry</i> , 2011, 50, 3852-3854.	1.4	14
101	Nanodomain cubic copper (I) oxide as reusable catalyst for the synthesis of amides by amidation of aryl halides with isocyanides. <i>Tetrahedron Letters</i> , 2015, 56, 623-626.	0.7	14
102	Cationic dinitrosyl complexes of vanadium. <i>Transition Metal Chemistry</i> , 1976, 1, 49-49.	0.7	13
103	Preparation and crystal structure of K ₃ [Mo(NO)(C ₂ O ₄) ₃] \cdot 4H ₂ O. On pentagonal bipyramidal complexes with {MoNo} ₄ configuration with simple ligands. <i>Inorganica Chimica Acta</i> , 1980, 45, L245-L247.	1.2	13
104	Conversion of WVIOS ₃ into [WV ₂ O ₂ (μ -S) ₂ (S ₂) ₂] ₂ and vice-versa by internal redox processes induced by I ₂ and S _x . <i>Journal of the Chemical Society Chemical Communications</i> , 1986, , 324-325.	2.0	13
105	Concealed induced internal electron transfer reaction in the synthesis of bis(diethylthiocarbamate)(disulfido)oxotungsten from diethylammonium oxotrithiotungstate(2-) and carbon disulfide with oxygen. <i>Inorganic Chemistry</i> , 1988, 27, 763-764.	1.9	13
106	Desoxo Molybdenum(IV) and Tungsten(IV) Bis(dithiolene) Complexes: Monomer-Dimer Interconversion Involving Reversible Thiol Bridge Formation. <i>Inorganic Chemistry</i> , 2007, 46, 6136-6147.	1.9	13
107	Detection of hydrogen sulfide using BODIPY based colorimetric and fluorescent on-off chemosensor. <i>Journal of Chemical Sciences</i> , 2020, 132, 1.	0.7	13
108	2,2-Bipyridyl and 1,10-phenanthroline complexes of oxochromium (V). <i>Journal of the Chemical Society Chemical Communications</i> , 1974, .	2.0	12

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109	Oxoanionic or sulfur lone pair attack? The difference in reactivity of hydrogensulfite anion and neutral dimethylsulfite towards $[\text{Bu}_4\text{N}]_2[\text{MoO}_2\{\text{S}_2\text{C}_2(\text{CN})_2\}_2]$ in the model reductive half reaction of sulfite oxidase. <i>Chemical Communications</i> , 2001, , 1786-1787.	2.2	12
110	Molecular discriminators using single wall carbon nanotubes. <i>Nanotechnology</i> , 2012, 23, 385304.	1.3	12
111	Enhanced persistence of fog under illumination for carbon nanotube fog condensation nuclei. <i>Journal of Applied Physics</i> , 2012, 112, 024901.	1.1	12
112	Halogenonitrosylmolybdates – Simple, Monomeric Moll Complexes. <i>Angewandte Chemie International Edition in English</i> , 1977, 16, 183-183.	4.4	11
113	Reaction of $[\text{Ni}(\text{CN})_4]^{2-}$ with polysulfide: Synthesis of $[\text{Ni}(\text{S}_4)_2]^{2-}$ and its reactions with carbon disulfide and activated acetylenes. <i>Polyhedron</i> , 1987, 6, 627-631.	1.0	11
114	Solid-State Synthesis of Molybdenum and Tungsten Porphyrins and Aerial Oxidation of Coordinated Benzenethiolate to Benzenesulfonate. <i>Inorganic Chemistry</i> , 2012, 51, 6412-6420.	1.9	11
115	Photoluminescent Mo(IV) and W(IV) bis-dithiolene complexes with bidentate phosphonodithioato ligand derived from Lawesson's reagent. <i>Polyhedron</i> , 2013, 52, 900-908.	1.0	11
116	Soft magnetic memory of silk cocoon membrane. <i>Scientific Reports</i> , 2016, 6, 29214.	1.6	11
117	Halogenonitrosylmolybdate – einfache, monomere Mo ^{VI} -Komplexe. <i>Angewandte Chemie</i> , 1977, 89, 189-190.	1.6	10
118	Synthesis of β -octabromocalix[4]pyrroles and conformational diversity in their acetone inclusion complexes. <i>Tetrahedron Letters</i> , 2008, 49, 960-964.	0.7	10
119	Formation of Superoxide Anion on Aerial Oxidation of Cu(II) – Porphyrinogen in the Synthesis of Tetrakis(cyclohexyl)porphyrinogenCu(III) Anion. <i>Inorganic Chemistry</i> , 2008, 47, 5036-5038.	1.9	10
120	Nitrous Acid Mediated Synthesis of Iron Nitrosyl Porphyrin: pH Dependent Release of Nitric Oxide. <i>Chemistry - an Asian Journal</i> , 2012, 7, 2690-2695.	1.7	10
121	Modelling the reduced xanthine oxidase in active sulfo and inactive desulfo forms. <i>Dalton Transactions</i> , 2013, 42, 3050.	1.6	10
122	$[\text{Cl}_2\text{FeS}_2\text{MoO}(\text{S}_2)]^{2-}$, a Novel Bimetallic Complex with Unusual Electronic Structure and a Substituted Tetrachalcogenometalate as Ligand. <i>Angewandte Chemie International Edition in English</i> , 1983, 22, 561-562.	4.4	9
123	Synthesis and characterization of .mu.-sulfidodisulfidotetrakis(.eta.2-disulfido)dimolybdate(2-) and rational synthesis of $[\text{M}_2(\text{L})_2(\mu\text{-S})(\eta^2\text{-S}_2)_4]^{2-}$, (M = Mo, W; L = O, S) anions. <i>Inorganic Chemistry</i> , 1988, 27, 3663-3665.	1.9	9
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