

Kamil Lang

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155
papers

4,861
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41
h-index

59
g-index

166
ext. papers

5,309
ext. citations

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5.52
L-index

#	Paper	IF	Citations
155	Photophysical properties of porphyrinoid sensitizers non-covalently bound to host molecules; models for photodynamic therapy. <i>Coordination Chemistry Reviews</i> , 2004 , 248, 321-350	23.2	371
154	A Highly Luminescent Hexanuclear Molybdenum Cluster A Promising Candidate toward Photoactive Materials. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 3107-3111	2.3	107
153	A comparative study of the redox and excited state properties of (nBu ₄ N) ₂ [Mo ₆ X ₁₄] and (nBu ₄ N) ₂ [Mo ₆ X ₈ (CF ₃ COO) ₆] (X = Cl, Br, or I). <i>Dalton Transactions</i> , 2013 , 42, 7224-32	4.3	99
152	(Thia)calix[4]arene-porphyrin conjugates: novel receptors for fullerene complexation with C ₇₀ over C ₆₀ selectivity. <i>New Journal of Chemistry</i> , 2004 , 28, 85-90	3.6	96
151	Preparation of layered double hydroxides intercalated with organic anions and their application in LDH/poly(butyl methacrylate) nanocomposites. <i>Applied Clay Science</i> , 2010 , 48, 260-270	5.2	93
150	Calix[4]arene-porphyrin conjugates as versatile molecular receptors for anions. <i>Organic Letters</i> , 2003 , 5, 149-52	6.2	93
149	Visible-light photocatalytic activity of TiO ₂ /ZnS nanocomposites prepared by homogeneous hydrolysis. <i>Microporous and Mesoporous Materials</i> , 2008 , 110, 370-378	5.3	87
148	X-ray Inducible Luminescence and Singlet Oxygen Sensitization by an Octahedral Molybdenum Cluster Compound: A New Class of Nanoscintillators. <i>Inorganic Chemistry</i> , 2016 , 55, 803-9	5.1	83
147	Magnesium azaphthalocyanines: an emerging family of excellent red-emitting fluorophores. <i>Inorganic Chemistry</i> , 2012 , 51, 4215-23	5.1	74
146	FTIR and FT-Raman spectra and density functional computations of the vibrational spectra, molecular geometry and atomic charges of the biomolecule: 5-bromouracil. <i>Journal of Raman Spectroscopy</i> , 2007 , 38, 1227-1241	2.3	74
145	Luminescent hydrogel particles prepared by self-assembly of β -cyclodextrin polymer and octahedral molybdenum cluster complexes. <i>Inorganic Chemistry</i> , 2014 , 53, 13012-8	5.1	72
144	Bactericidal nanofabrics based on photoproduction of singlet oxygen. <i>Journal of Materials Chemistry</i> , 2007 , 17, 164-166		72
143	Interaction of novel cationic meso-tetraphenylporphyrins in the ground and excited states with DNA and nucleotides. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2000 , 933-941		71
142	Interaction of porphyrins with a dendrimer template: self-aggregation controlled by pH. <i>Langmuir</i> , 2005 , 21, 9714-20	4	70
141	Supramolecular sensitizer: complexation of meso-tetrakis(4-sulfonatophenyl)porphyrin with 2-hydroxypropyl-cyclodextrins. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2000 , 130, 13-20	4.7	69
140	Designing Porphyrinic Covalent Organic Frameworks for the Photodynamic Inactivation of Bacteria. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 8527-8535	9.5	65
139	Self-Aggregates of Cationic meso-Tetratolylporphyrins in Aqueous Solutions. <i>Langmuir</i> , 2003 , 19, 422-428		65

138	Zirconium Metal-Organic Framework UiO-66: Stability in an Aqueous Environment and Its Relevance for Organophosphate Degradation. <i>Inorganic Chemistry</i> , 2018 , 57, 14290-14297	5.1	63
137	Polystyrene nanofiber materials modified with an externally bound porphyrin photosensitizer. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 3776-83	9.5	62
136	Lanthanide-porphyrin hybrids: from layered structures to metal-organic frameworks with photophysical properties. <i>Inorganic Chemistry</i> , 2013 , 52, 2779-86	5.1	61
135	Photofunctional polyurethane nanofabrics doped by zinc tetraphenylporphyrin and zinc phthalocyanine photosensitizers. <i>Journal of Fluorescence</i> , 2009 , 19, 705-13	2.4	61
134	Blue and green luminescence of reduced graphene oxide quantum dots. <i>Carbon</i> , 2013 , 63, 537-546	10.4	58
133	Porphyrins Intercalated in Zn/Al and Mg/Al Layered Double Hydroxides: Properties and Structural Arrangement. <i>Chemistry of Materials</i> , 2010 , 22, 2481-2490	9.6	57
132	Fluorescent polyurethane nanofabrics: a source of singlet oxygen and oxygen sensing. <i>Langmuir</i> , 2010 , 26, 10050-6	4	57
131	1,15Binaphthyl-substituted macrocycles as receptors for saccharide recognition. <i>Chemistry - A European Journal</i> , 2002 , 8, 655-63	4.8	57
130	Layered Double Hydroxides with Intercalated Porphyrins as Photofunctional Materials: Subtle Structural Changes Modify Singlet Oxygen Production. <i>Chemistry of Materials</i> , 2007 , 19, 3822-3829	9.6	54
129	Hexamolybdenum Cluster Complexes with Pyrene and Anthracene Carboxylates: Ultrabright Red Emitters with the Antenna Effect. <i>European Journal of Inorganic Chemistry</i> , 2014 , 2014, 2331-2336	2.3	53
128	Nanoscaled porphyrinic metal-organic frameworks: photosensitizer delivery systems for photodynamic therapy. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 1815-1821	7.3	51
127	Water-soluble octahedral molybdenum cluster compounds Na ₂ [Mo ₆ I ₈ (N ₃) ₆] and Na ₂ [Mo ₆ I ₈ (NCS) ₆]: Syntheses, luminescence, and in vitro studies. <i>Inorganica Chimica Acta</i> , 2016 , 441, 42-49	2.7	51
126	Modulation of porphyrin binding to serum albumin by pH. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2004 , 1670, 40-8	4	50
125	Antibacterial nanofiber materials activated by light. <i>Journal of Biomedical Materials Research - Part A</i> , 2011 , 99, 676-83	5.4	49
124	Photophysical properties and photoinduced electron transfer within host-guest complexes of 5,10,15,20-tetrakis(4-N-methylpyridyl)porphyrin with water-soluble calixarenes and cyclodextrins. <i>Photochemistry and Photobiology</i> , 2001 , 74, 558-65	3.6	48
123	Reduction of dioxygen to superoxide photosensitized by anthraquinone-2-sulphonate. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1992 , 67, 187-195	4.7	46
122	Unusual stoichiometry of urea-derivatized calix[4]arenes induced by anion complexation. <i>Tetrahedron Letters</i> , 2005 , 46, 4469-4472	2	45
121	Anion-controlled assembly of porphyrin-bicyclic guanidine conjugates. <i>Organic Letters</i> , 2002 , 4, 51-4	6.2	45

120	Steroid-porphyrin conjugate for saccharide sensing in protic media. <i>Organic and Biomolecular Chemistry</i> , 2003 , 1, 3458-63	3.9	44
119	Cationic octahedral molybdenum cluster complexes functionalized with mitochondria-targeting ligands: photodynamic anticancer and antibacterial activities. <i>Biomaterials Science</i> , 2019 , 7, 1386-1392	7.4	43
118	Light-induced aggregation of cationic porphyrins. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006 , 181, 283-289	4.7	43
117	Calixarene-based metalloporphyrins: molecular tweezers for complexation of DABCO. <i>Tetrahedron</i> , 2003 , 59, 2409-2415	2.4	43
116	Preprogramming of Porphyrin-Nucleic Acid Assemblies via Variation of the Alkyl/Aryl Substituents of Phosphonium Tetratolylporphyrins. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 6784-6792	3.4	43
115	Photostability and photobactericidal properties of porphyrin-layered double hydroxide-polyurethane composite films. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 2139-2146	7.3	41
114	Porphyrin-layered double hydroxide/polymer composites as novel ecological photoactive surfaces. <i>Journal of Materials Chemistry</i> , 2010 , 20, 9423		41
113	Photochemical consequences of porphyrin and phthalocyanine aggregation on nucleoprotein histone. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1998 , 119, 47-52	4.7	41
112	Singlet Oxygen Production and Biological Activity of Hexanuclear Chalcocyanide Rhenium Cluster Complexes $[\{\text{ReQ}\}(\text{CN})]$ (Q = S, Se, Te). <i>Inorganic Chemistry</i> , 2017 , 56, 13491-13499	5.1	39
111	Virucidal nanofiber textiles based on photosensitized production of singlet oxygen. <i>PLoS ONE</i> , 2012 , 7, e49226	3.7	37
110	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	4.8	36
109	Ultrafast intramolecular charge transfer in tetrapyrazinoporphyrazines controls the quantum yields of fluorescence and singlet oxygen. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 2555-63	3.6	36
108	Tetraphenylporphyrin-cobalt(III) bis(1,2-dicarbollide) conjugates: from the solution characteristics to inhibition of HIV protease. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 4539-46	3.4	36
107	Layered Hydroxide-Porphyrin Hybrid Materials: Synthesis, Structure, and Properties. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 5154-5164	2.3	35
106	Self-Assembled Azaphthalocyanine Dimers with Higher Fluorescence and Singlet Oxygen Quantum Yields than the Corresponding Monomers. <i>European Journal of Organic Chemistry</i> , 2008 , 2008, 3260-3263	3.2	35
105	Octahedral molybdenum clusters as radiosensitizers for X-ray induced photodynamic therapy. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 4301-4307	7.3	34
104	meso-Tetratolylporphyrins substituted by pyridinium groups: aggregation, photophysical properties and complexation with DNA. <i>Journal of Physical Organic Chemistry</i> , 2004 , 17, 890-897	2.1	34
103	Thermochromic Fluorescence from $\text{B}_{18}\text{H}_{20}(\text{NC}_5\text{H}_5)_2$: An Inorganic-Organic Composite Luminescent Compound with an Unusual Molecular Geometry. <i>Advanced Optical Materials</i> , 2017 , 5, 1600694	8.1	33

102	Tetranuclear Copper(I) Iodide Complexes: A New Class of X-ray Phosphors. <i>Inorganic Chemistry</i> , 2017 , 56, 4610-4615	5.1	33
101	Distinct photophysics of the isomers of B18H22 explained. <i>Inorganic Chemistry</i> , 2012 , 51, 1471-9	5.1	33
100	Synthesis and spectroscopic properties of porphyrin-(thia)calix[4]arene conjugates. <i>Tetrahedron</i> , 2002 , 58, 5475-5482	2.4	33
99	Long-range assemblies on poly(dG-dC) ₂ and poly(dA-dT) ₂ : phosphonium cationic porphyrins and the importance of the charge. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2000 , 57, 51-9	6.7	33
98	Synthesis of novel porphyrin-based biscalix[4]arenes. <i>Tetrahedron Letters</i> , 1999 , 40, 5949-5952	2	33
97	Photoinduced electron transfer within porphyrin β -cyclodextrin conjugates. <i>Tetrahedron Letters</i> , 2002 , 43, 4919-4922	2	32
96	Design of porphyrin-based conjugated microporous polymers with enhanced singlet oxygen productivity. <i>RSC Advances</i> , 2016 , 6, 44279-44287	3.7	32
95	Inorganic/Organic Hybrid Materials: Layered Zinc Hydroxide Salts with Intercalated Porphyrin Sensitizers. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 16321-16328	3.8	31
94	Layered zinc hydroxide salts: delamination, preferred orientation of hydroxide lamellae, and formation of ZnO nanodiscs. <i>Journal of Colloid and Interface Science</i> , 2011 , 360, 532-9	9.3	31
93	Singlet oxygen imaging in polymeric nanofibers by delayed fluorescence. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 15773-9	3.4	30
92	Carborane π -thiol π -silver interactions. A comparative study of the molecular protection of silver surfaces. <i>Surface and Coatings Technology</i> , 2010 , 204, 2639-2646	4.4	30
91	Green Earth Pigment from the Kada Region, Czech Republic: Use of Rare Fe-rich Smectite. <i>Clays and Clay Minerals</i> , 2004 , 52, 767-778	2.1	29
90	High photocatalytic activity of transparent films composed of ZnO nanosheets. <i>Langmuir</i> , 2014 , 30, 380-4	4	28
89	Low-temperature deposition of anatase on nanofiber materials for photocatalytic NO _x removal. <i>Catalysis Today</i> , 2014 , 230, 74-78	5.3	27
88	Insight into the Structure of Layered Zinc Hydroxide Salts Intercalated with Dodecyl Sulfate Anions. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 27131-27141	3.8	26
87	Cyclodextrin carriers of positively charged porphyrin sensitizers. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 3797-804	3.9	25
86	The role of excited states in the photosensitized oxidation of substrates with dioxygen. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1993 , 72, 9-14	4.7	25
85	Water-soluble Re ₆ -clusters with aromatic phosphine ligands [From synthesis to potential biomedical applications. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 882-892	6.8	24

84	Tuning the photophysical properties of anti-B18H22: efficient intersystem crossing between excited singlet and triplet states in new 4,4S(HS)2-anti-B18H20. <i>Inorganic Chemistry</i> , 2013 , 52, 9266-74	5.1	24
83	The synthesis and complexation of novel azosubstituted calix[4]arenes and thiacalix[4]arenes. <i>Dyes and Pigments</i> , 2008 , 77, 646-652	4.6	24
82	Host-guest complexes of anionic porphyrin sensitizers with cyclodextrins. <i>Journal of Porphyrins and Phthalocyanines</i> , 2002 , 06, 514-526	1.8	24
81	Azaphthalocyanines: red fluorescent probes for cations. <i>Chemistry - A European Journal</i> , 2013 , 19, 5025-8	4.8	23
80	Anion recognition by diureido-calix[4]arenes in the 1,3-alternate conformation. <i>New Journal of Chemistry</i> , 2009 , 33, 612	3.6	23
79	Clay mineral particles as efficient carriers of methylene blue used for antimicrobial treatment. <i>Environmental Science & Technology</i> , 2009 , 43, 6202-7	10.3	23
78	Hybrid Systems Based on Layered Silicate and Organic Dyes for Cascade Energy Transfer. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 21784-21794	3.8	22
77	Few-Layer ZnO Nanosheets: Preparation, Properties, and Films with Exposed {001} Facets. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 24702-24706	3.8	22
76	Photoactive oriented films of layered double hydroxides. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 4429-34	3.6	22
75	Electrochemical performance of cobalt hydroxide nanosheets formed by the delamination of layered cobalt hydroxide in water. <i>Dalton Transactions</i> , 2014 , 43, 10484-91	4.3	21
74	Nickel hydroxide ultrathin nanosheets as building blocks for electrochemically active layers. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 11429	13	21
73	Substitution of the laser borane anti-BH with pyridine: a structural and photophysical study of some unusually structured macropolyhedral boron hydrides. <i>Dalton Transactions</i> , 2018 , 47, 1709-1725	4.3	20
72	Novel fullerene receptors based on calixarene-porphyrin conjugates. <i>Tetrahedron Letters</i> , 2007 , 48, 477-481	4.8	20
71	Interaction of porphyrins with PAMAM dendrimers in aqueous solution. <i>Journal of Molecular Liquids</i> , 2007 , 131-132, 200-205	6	20
70	Paleoenvironmental record in Lake Baikal sediments: Environmental changes in the last 160 ky. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2006 , 237, 240-254	2.9	20
69	Metal-Cation Recognition in Water by a Tetrapyrazinoporphyrazine-Based Tweezer Receptor. <i>Chemistry - A European Journal</i> , 2016 , 22, 2417-26	4.8	19
68	Anion recognition by calix[4]arene-based p-nitrophenyl amides. <i>Tetrahedron Letters</i> , 2012 , 53, 678-680	2	18
67	Thiacalix[4]arene-porphyrin conjugates with high selectivity towards fullerene C70. <i>Tetrahedron Letters</i> , 2007 , 48, 6620-6623	2	18

66	Influence of protonation on the reactions of triplet-state sulfonated chloro-aluminium(III) phthalocyanine with dioxygen. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1992 , 88, 677-680		18
65	Facile synthesis of CuO nanosheets via the controlled delamination of layered copper hydroxide acetate. <i>Journal of Colloid and Interface Science</i> , 2015 , 452, 174-179	9.3	17
64	High-temperature X-ray powder diffraction as a tool for characterization of smectites, layered double hydroxides, and their intercalates with porphyrins. <i>Applied Clay Science</i> , 2010 , 49, 363-371	5.2	17
63	Charge transfer in porphyrin-calixarene complexes: ultrafast kinetics, cyclic voltammetry, and DFT calculations. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 6947-54	3.6	17
62	Mg-Al layered double hydroxide intercalated with porphyrin anions: molecular simulations and experiments. <i>Journal of Molecular Modeling</i> , 2010 , 16, 223-33	2	17
61	Polyhydroxylated sapphyrins: multisite non-metallic catalysts for activated phosphodiester hydrolysis. <i>Journal of the American Chemical Society</i> , 2006 , 128, 432-7	16.4	17
60	Intramolecular and intermolecular photoinduced electron transfer in isomeric mesoporphyrin nitrobenzyl esters: structure and solvent effects. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1996 , 93, 119-128	4.7	17
59	Phosphinate Apical Ligands: A Route to a Water-Stable Octahedral Molybdenum Cluster Complex. <i>Inorganic Chemistry</i> , 2019 , 58, 16546-16552	5.1	17
58	Metal-organic frameworks vs. buffers: case study of UiO-66 stability. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 720-734	6.8	17
57	Anion complexation by calix[4]arene-TF conjugates. <i>Dyes and Pigments</i> , 2012 , 92, 668-673	4.6	16
56	Reversible capture of small molecules on bimetalloborane clusters: synthesis, structural characterization, and photophysical aspects. <i>Inorganic Chemistry</i> , 2011 , 50, 7511-23	5.1	16
55	Porphyrin/calixarene self-assemblies in aqueous solution. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008 , 198, 18-25	4.7	16
54	Red-Emitting Fluorescence Sensors for Metal Cations: The Role of Counteranions and Sensing of SCN in Biological Materials. <i>ACS Sensors</i> , 2019 , 4, 1552-1559	9.2	15
53	Photoactivatable Nanostructured Surfaces for Biomedical Applications. <i>Topics in Current Chemistry</i> , 2016 , 370, 135-68		15
52	Photoactive Self-Standing Films Made of Layered Double Hydroxides with Arranged Porphyrin Molecules. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 21700-21706	3.8	15
51	Layered silicate films with photochemically active porphyrin cations. <i>Pure and Applied Chemistry</i> , 2009 , 81, 1385-1396	2.1	15
50	Effect of the layer charge on the interaction of porphyrin dyes in layered silicates dispersions. <i>Journal of Luminescence</i> , 2009 , 129, 912-918	3.8	15
49	Nanoparticles with Embedded Porphyrin Photosensitizers for Photooxidation Reactions and Continuous Oxygen Sensing. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 36229-36238	9.5	14

48	Binding of neutral molecules by p-nitrophenylureido substituted calix[4]arenes. <i>Tetrahedron</i> , 2010 , 66, 8047-8050	2.4	13
47	Nickel-cobalt hydroxide nanosheets: Synthesis, morphology and electrochemical properties. <i>Journal of Colloid and Interface Science</i> , 2017 , 499, 138-144	9.3	12
46	Photorelease of triplet and singlet oxygen from dioxygen complexes. <i>Coordination Chemistry Reviews</i> , 2011 , 255, 2904-2911	23.2	12
45	Polymer bound pyrrole compounds, IX. Photophysical and singlet molecular oxygen photosensitizing properties of mesoporphyrin IX covalently bound to a low molecular weight polyethylene glycol. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1997 , 41, 53-59	6.7	12
44	Photocatalytic degradation of 4-chlorophenoxyacetic acid in the presence of an iron complex and hydrogen peroxide. <i>Photochemical and Photobiological Sciences</i> , 2002 , 1, 588-91	4.2	12
43	Highly luminescent hybrid materials based on smectites with polyethylene glycol modified with rhodamine fluorophore. <i>Applied Clay Science</i> , 2017 , 138, 25-33	5.2	11
42	Effect of Iodination on the Photophysics of the Laser Borane -BH: Generation of Efficient Photosensitizers of Oxygen. <i>Inorganic Chemistry</i> , 2019 , 58, 10248-10259	5.1	11
41	Selective modification of layered silicate nanoparticle edges with fluorophores. <i>Applied Clay Science</i> , 2012 , 65-66, 152-157	5.2	11
40	Synthesis of a novel constrained amino acid with quinoxaline side chain: 7-amino-6,7-dihydro-8H-cyclopenta[g]quinoxaline-7-carboxylic acid. <i>Tetrahedron Letters</i> , 1997 , 38, 9031-9034	3	11
39	Photophysical properties of CdSe quantum dot self-assemblies with zinc phthalocyanines and azaphthalocyanines. <i>Photochemical and Photobiological Sciences</i> , 2013 , 12, 743-50	4.2	10
38	Photochemical Hydroxylation of Salicylic Acid with Hydrogen Peroxide; Mechanistic Study of Substrate Sensitized Reaction. <i>Collection of Czechoslovak Chemical Communications</i> , 1996 , 61, 1729-1737		10
37	The nanoscaled metal-organic framework ICR-2 as a carrier of porphyrins for photodynamic therapy. <i>Beilstein Journal of Nanotechnology</i> , 2018 , 9, 2960-2967	3	10
36	Octahedral Molybdenum Cluster Complexes with Optimized Properties for Photodynamic Applications. <i>Inorganic Chemistry</i> , 2020 , 59, 9287-9293	5.1	9
35	Robust Aluminum and Iron Phosphinate Metal-Organic Frameworks for Efficient Removal of Bisphenol A. <i>Inorganic Chemistry</i> , 2020 , 59, 5538-5545	5.1	9
34	Moll Cluster Complex-Based Coordination Polymer as an Efficient Heterogeneous Catalyst in the Suzuki-Miyaura Coupling Reaction. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 4668-4673	2.3	9
33	Quenching of the Triplet State of Metallophthalocyanines by Dioxygen in the Presence of Bovine Serum Albumin. <i>Zeitschrift Fur Physikalische Chemie</i> , 1994 , 187, 213-221	3.1	9
32	Electrophoretically Deposited Layers of Octahedral Molybdenum Cluster Complexes: A Promising Coating for Mitigation of Pathogenic Bacterial Biofilms under Blue Light. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 52492-52499	9.5	9
31	Self-assemblies of cationic porphyrins with functionalized water-soluble single-walled carbon nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 5795-802	1.3	8

30	Hydrogen peroxide decomposition on a two-component CuO-Cr ₂ O ₃ catalyst. <i>Collection of Czechoslovak Chemical Communications</i> , 1988 , 53, 1636-1646		8
29	A water-soluble octahedral molybdenum cluster complex as a potential agent for X-ray induced photodynamic therapy. <i>Biomaterials Science</i> , 2021 , 9, 2893-2902	7.4	8
28	Phosphinatophenylporphyrins tailored for high photodynamic efficacy. <i>Organic and Biomolecular Chemistry</i> , 2018 , 16, 7274-7281	3.9	8
27	Photochromic System among Boron Hydrides: The Hawthorne Rearrangement. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 6202-6207	6.4	7
26	Photoactive hybrid material based on kaolinite intercalated with a reactive fluorescent silane. <i>Applied Clay Science</i> , 2015 , 108, 208-214	5.2	7
25	Swollen Polyhedral Volume of the -BH Cluster via Extensive Methylation: -BHClMe. <i>Inorganic Chemistry</i> , 2020 , 59, 2651-2654	5.1	7
24	Humic Substances - Excited States, Quenching by Metal Ions, and Photosensitized Degradation of Chlorophenols. <i>Collection of Czechoslovak Chemical Communications</i> , 1997 , 62, 1159-1168		7
23	Formation of lanthanide(III) texaphyrin complexes with DNA controlled by the size of the central metal cation. <i>Journal of Inorganic Biochemistry</i> , 2005 , 99, 1670-5	4.2	7
22	Electrochemical reduction of the biliverdin-serum albumin complex as monitored by absorption and circular dichroism spectroscopy. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1995 , 1243, 221-9	4	7
21	Liberation of the superoxide anion from the dioxygen-Co(II)-tetrasulfophthalocyanine adduct in dimethyl sulfoxide. <i>Inorganica Chimica Acta</i> , 1989 , 162, 1-3	2.7	7
20	Aggregation and photophysical properties of water-soluble sapphyrins. <i>Chemical Physics Letters</i> , 2004 , 395, 82-86	2.5	6
19	The Role of Hydrogen Peroxide in Dioxygen Induced Hydroxylation of Salicylic Acid. <i>Collection of Czechoslovak Chemical Communications</i> , 1994 , 59, 2447-2453		6
18	Novel Cerium Bisphosphinate Coordination Polymer and Unconventional Metal-Organic Framework. <i>Crystals</i> , 2019 , 9, 303	2.3	5
17	Isonitrile ligand effects on small-molecule-sequestering in bimetallo-dodecaborane clusters. <i>Journal of Organometallic Chemistry</i> , 2013 , 747, 76-84	2.3	5
16	Long-Range Electron Transfer in Rigid 310-Helical Oligopeptides Containing Redox Cyclic α -Amino Acids. <i>Photochemistry and Photobiology</i> , 1999 , 70, 579-584	3.6	5
15	Model and real pollutant dispersion: concentration studies by conventional analytics and by laser spectrometry. <i>International Journal of Environmental Analytical Chemistry</i> , 2006 , 86, 889-903	1.8	4
14	Photophysical properties of two novel tetraphenylporphyrins substituted by guanidiniocarbonyl and monocyclic guanidine groups. <i>International Journal of Photoenergy</i> , 2001 , 3, 147-151	2.1	4
13	The Photoinduced Fenton Reaction; Mechanism of Photosensitized Catalyst Generation. <i>Zeitschrift Fur Physikalische Chemie</i> , 1995 , 190, 203-210	3.1	4

12	A Series of Ultra-Efficient Blue Borane Fluorophores. <i>Inorganic Chemistry</i> , 2020 , 59, 17058-17070	5.1	4
11	Phosphinic acids as building units in materials chemistry. <i>Coordination Chemistry Reviews</i> , 2021 , 433, 2137-2148	4.8	4
10	Helicenes Built from Silacyclopentadienes via Ring-by-Ring Knitting of the Helical Framework. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 1654-1658	16.4	4
9	Conformational folding induced by π - π interaction in a series of flexible dyads consisting of isomeric mesoporphyrin nitrobenzyl esters. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1996 , 997-1004		3
8	Luminescent Cationic Group 4 Metallocene Complexes Stabilized by Pendant N-Donor Groups. <i>Inorganic Chemistry</i> , 2021 , 60, 7315-7328	5.1	3
7	Photophysical Properties and Photoinduced Electron Transfer Within Host-Guest Complexes of 5,10,15,20-Tetrakis(4-N-methylpyridyl)porphyrin with Water-soluble Calixarenes and Cyclodextrins. <i>Photochemistry and Photobiology</i> , 2007 , 74, 558-565	3.6	2
6	Helicenes Built from Silacyclopentadienes via Ring-by-Ring Knitting of the Helical Framework. <i>Angewandte Chemie</i> , 2019 , 131, 1668-1672	3.6	2
5	Heterogeneous photoactive antimicrobial coatings based on a fluoroplastic doped with an octahedral molybdenum cluster compound. <i>Dalton Transactions</i> , 2021 , 50, 8467-8475	4.3	2
4	Immobilization of porphyrins in poly(hydroxymethylsiloxane). <i>Chemical Papers</i> , 2009 , 63,	1.9	1
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, 13382-13382	4.8	1
2	Group 4 metallocene derivatives as a new class of singlet oxygen photosensitizers. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022 , 424, 113619	4.7	0
1	Polymeric Membranes Containing Iodine-Loaded UiO-66 Nanoparticles as Water-Responsive Antibacterial and Antiviral Surfaces. <i>ACS Applied Nano Materials</i> , 2022 , 5, 1244-1251	5.6	0