Claudia Wickleder

List of Publications by Year
in descending order

100	2,301	185998	264894
papers	citations	28 h-index	42 g-index

119	119	119	2801
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	UV, Blue, Green, Yellow, Red, and Small: Newest Developments on Eu²⁺-Doped Nanophosphors. Chemical Reviews, 2015, 115, 11352-11378.	23.0	260
2	Î±-SrNCN:Eu²⁺ â^' A Novel Efficient Orange-Emitting Phosphor. Chemistry of Materials, 2011, 23, 1694-1699.	3.2	89
3	Synthesis, spectroscopic properties and applications of divalent lanthanides apart from Eu2+. Journal of Luminescence, 2019, 210, 210-238.	1.5	65
4	Oscillating Emission of [2]Rotaxane Driven by Chemical Fuel. Organic Letters, 2018, 20, 1046-1049.	2.4	62
5	Surfaceâ€Anchored MOFâ€Based Photonic Antennae. ChemPhysChem, 2012, 13, 2699-2702.	1.0	60
6	Physical Properties of Superbulky Lanthanide Metallocenes: Synthesis and Extraordinary Luminescence of [Eu^{II}(Cp^{BIG})₂] (Cp^{BIG}=(4â€²nBuâ€²₆H₄)₅â€²cyclopentadienyl). Chemistry - A European Journal, 2013, 19, 12272-12280.	1.7	58
7	Crystal Engineering of Rare Earth Amides:Â3â^žÂ[Tb(Im)3]@NH3, a Homoleptic 3D Network Exhibiting Strong Luminescence. Chemistry of Materials, 2007, 19, 655-659.	3.2	53
8	Diastereoselective formation of luminescent dinuclear lanthanide(iii) helicates with enantiomerically pure tartaric acid derived bis(Î²-diketonate) ligands. New Journal of Chemistry, 2007, 31, 1755.	1.4	51
9	Photoluminescence properties of Yb²⁺ ions doped in the perovskites CsCaX₃ and CsSrX₃ (X = Cl, Br, and I) â€“ a comparative study. Physical Chemistry Chemical Physics, 2016, 18, 13196-13208.	1.3	50
10	Au2(SeO3)2(SeO4):Â Synthesis and Characterization of a New Noncentrosymmetric Seleniteâ^'Selenate. Inorganic Chemistry, 2004, 43, 5860-5864.	1.9	48
11	Photoluminescence of CsMI3:Eu2+ (M = Mg, Ca, and Sr) â€“ a spectroscopic probe on structural distortions. Journal of Materials Chemistry C, 2015, 3, 5233-5245.	2.7	44
12	Vibronic Coupling and Microscopic Solvation of 1-Naphthol. The Journal of Physical Chemistry, 1996, 100, 11218-11227.	2.9	42
13	Spectroscopic behaviour of lanthanide(III) coordination compounds with Schiff base ligands. Physical Chemistry Chemical Physics, 2000, 2, 3753-3757.	1.3	40
14	Photoluminescence of CsMBr3:Eu2+ (M=Mg, Ca, Sr)â€"A novel strategy for the development of low-energy emitting phosphors. Journal of Luminescence, 2014, 149, 35-44.	1.5	40
15	Prospecting Lighting Applications with Ligand Field Tools and Density Functional Theory: A First-Principles Account of the 4f⁷â€“4f⁶5d¹ Luminescence of CsMgBr₃:Eu²⁺. Inorganic Chemistry, 2015, 54, 8319-8326.	1.9	39
16	Spectroscopic properties of SrZnCl4:M2+ and BaZnCl4:M2+ (M=Eu, Sm, Tm). Journal of Alloys and Compounds, 2000, 300-301, 193-198.	2.8	37
17	ABiO₂X (A = Cd, Ca, Sr, Ba, Pb; X = halogen) Sillen X1 Series: Polymorphism Versus Optical Properties. Inorganic Chemistry, 2016, 55, 7582-7592.	1.9	37
18	Spin Crossover of Yb²⁺ in CsCaX₃ and CsSrX₃ (X = Cl, Br, I) â€“ A Guideline to Novel Halideâ€Based Scintillators. Advanced Functional Materials, 2017, 27, 1602783.	7.8	35

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19	Luminescent Polymeric Dispersions and Films Based on Oligonuclear Lanthanide Clusters. Macromolecular Chemistry and Physics, 2011, 212, 286-296.	1.1	34
20	Red, Green, and Blue Photoluminescence of Ba2SiO4:M (M = Eu3+, Eu2+, Sr2+) Nanophosphors. Materials, 2013, 6, 3079-3093.	1.3	34
21	Title is missing!. Angewandte Chemie, 2003, 115, 1539-1543.	1.6	33
22	Antenna- and Metal-Triggered Luminescence in Dense 1,3-Benzodinitrile Metal-Organic Frameworksâˆž3[LnCl3(1,3-Ph(CN)2)], Ln = Eu, Tb. European Journal of Inorganic Chemistry, 2012, 2012, 5479-5484.	1.0	33
23	Differentiation of meat-related microorganisms using paper-based surface-enhanced Raman spectroscopy combined with multivariate statistical analysis. Talanta, 2020, 219, 121315.	2.9	31
24	Investigation of the â€œbent sandwich-likeâ€•divalent lanthanide hydro-tris(pyrazolyl)borates Ln(Tp^{iPr2}₂ (Ln = Sm, Eu, Tm, Yb). New Journal of Chemistry, 2015, 39, 7617-7625.	1.4	30
25	Unusual photoluminescence properties of the 3D mixed-lanthanideâ€“organic frameworks induced by dimeric structures: a theoretical and experimental approach. Physical Chemistry Chemical Physics, 2014, 16, 14858-14866.	1.3	29
26	Green Synthesis of A₂SiF₆ (A=Liâ€“Cs) Nanoparticles using Ionic Liquids as Solvents and as Fluorine Sources: A Simple Approach without HF. Chemistry - A European Journal, 2017, 23, 12092-12095.	1.7	29
27	Detection of spoilage associated bacteria using Raman-microspectroscopy combined with multivariate statistical analysis. Talanta, 2019, 196, 325-328.	2.9	29
28	Accurate intermolecular binding energies of 1-naphthol to benzene and cyclohexane. Chemical Physics Letters, 1997, 264, 257-264.	1.2	28
29	Copper(I) thiocyanate coordination polymers with dimethylpyrazine: synthesis, crystal structures, thermal and luminescence properties. Solid State Sciences, 2003, 5, 1167-1176.	1.5	28
30	A chiral two-dimensional coordination polymer based on Cu II and (S) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 Td ()-4,4â€²-bis(4-carbo magnetic and optical properties. Inorganica Chimica Acta, 2014, 421, 392-398.	1.2	28
31	SrAl₂O₄:Eu²⁺(,Dy³⁺) Nanosized Particles: Synthesis and Interpretation of Temperature-Dependent Optical Properties. Journal of Spectroscopy, 2015, 2015, 1-12.	0.6	28
32	Vibrational-Energy Redistribution and Vibronic Coupling in 1-NaphtholÂ·Water Complexes. Journal of Physical Chemistry A, 1998, 102, 1935-1944.	1.1	27
33	Synthesis, structure and luminescence properties of a cadmium(<scp>ii</scp>)-based coordination polymer with (S)-4,4â€²-bis(4-carboxyphenyl)-2,2â€²-bis(diphenylphosphinoyl)-1,1â€²-binaphthyl as chiral linker. Dalton Transactions, 2014, 43, 8188-8195.	1.6	26
34	Syntheses, structures and luminescence properties of novel metalâ€“organic frameworks based on zinc(ii), cadmium(ii) or lead(ii) and a 2,2â€²-dimethoxy-functionalised biphenyl linker. CrystEngComm, 2013, 15, 3874.	1.3	25
35	Synthesis, Crystal Structure, and Vibrational and Optical Spectroscopy of the First Quaternary Alkaline-Earth Rare Earth Thiophosphates Ba3Ln2[P4S16] (Ln = Gdâ€“Er). Chemistry of Materials, 2006, 18, 187-197.	3.2	24
36	Accurate dissociation energies of Oâ€“Hâ‹¯O hydrogen-bonded 1-naphtholâ‹…solvent complexes. Journal of Chemical Physics, 2002, 116, 1850-1857.	1.2	23

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37	Reactions of Potassium Bis(phosphinimino)methanide with Group 11 Compounds. Inorganic Chemistry, 2006, 45, 7503-7508.	1.9	23
38	Upconversion in a divalent rare earth ion: optical absorption and luminescence spectroscopy of Tm2+ doped SrCl2. Journal of Luminescence, 2001, 94-95, 101-105.	1.5	22
39	Eu5F[SiO4]3 und Yb5S[SiO4]3: Gemischtvalente Lanthanoid-Silicate mit Apatit-StrukturProfessor Welf Bronger zum 70. Geburtstag gewidmet. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2002, 628, 1602.	0.6	22
40	Crystal Structure, Electronic Structure, and Luminescence of Cs2KYF6:Pr3+. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2005, 631, 3046-3052.	0.6	22
41	Thiocyanates as Novel Host Lattices for Emitting Rare Earth Ions:Â Luminescence of Sr(SCN)2:Eu2+. Chemistry of Materials, 2005, 17, 1228-1233.	3.2	22
42	Unexpected Coordination Chemistry of Bisphenanthroline Complexes within Hybrid Materials:Â A Mild Way to Eu2+Containing Materials with Bright Yellow Luminescence. Journal of the American Chemical Society, 2007, 129, 12636-12637.	6.6	21
43	Novel Solâ€“Gel Precursors for Thin Mesoporous Eu3+-Doped Silica Coatings as Efficient Luminescent Materials.. Chemistry of Materials, 2012, 24, 3674-3683.	3.2	21
44	Heterometallic Europium Disiloxanediolates: Synthesis, Structural Diversity, and Photoluminescence Properties. Inorganic Chemistry, 2014, 53, 11662-11674.	1.9	21
45	M(SCN)2(Mâ€Š=â€ŠEu, Sr, Ba): Kristallstruktur, thermisches Verhalten, Schwingungsspektroskopie. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2001, 627, 1693-1698.	0.6	20
46	Photoluminescence properties of the â€œbent sandwich-likeâ€•compounds [Eu(Tp iPr2) 2] and [Yb(Tp iPr2) 2] â€“ Intermediates between nitride-based phosphors and metallocenes. Journal of Luminescence, 2017, 187, 62-68.	1.5	20
47	Decay times of the spin-forbidden and spin-enabled transitions of Yb²⁺ doped in CsCaX₃ and CsSrX₃ (X = Cl, Br, I). Physical Chemistry Chemical Physics, 2017, 19, 7188-7194.	1.3	20
48	Excited states of Sm2+ in chloride host lattices. Journal of Luminescence, 2001, 94-95, 127-132.	1.5	19
49	Synthesis of highly stable magnesium fluoride suspensions and their application in the corrosion protection of a Magnesium alloy. Journal of Materials Science, 2012, 47, 176-183.	1.7	19
50	Synthesis, Structure and Luminescence Properties of a Threeâ€Dimensional Heterobimetallic Chiral Metalâ€“Organic Framework Based on Sodium(I), Lead(II) and (S)â€5,5â€²â€Bis(4â€carboxyphenyl)â€2,2â€²â€bis(diphenylphosphinoyl)â€1,1â€²â€binaphthyl as Linker. European Journal of Inorganic Chemistry, 2014, 2014, 1775-1782.	1.0	18
51	Bright Photoluminescence of [{(Cp)₂Ce(Î¼â€Cl)}₂]: A Valuable Technique for the Determination of the Oxidation State of Cerium. Chemistry - an Asian Journal, 2018, 13, 1038-1044.	1.7	18
52	Photoluminescence of Ba(SCN)2:Eu2+. Journal of Alloys and Compounds, 2004, 374, 10-13.	2.8	16
53	Facile Ionic Liquidâ€Assisted Strategy for Direct Precipitation of Eu²⁺â€Activated Nanophosphors under Ambient Conditions. Small, 2018, 14, e1703707.	5.2	16
54	The influence of ionothermal synthesis using BmimBF₄ as a solvent on nanophosphor BaFBr:Eu²⁺ photoluminescence. Nanoscale, 2018, 10, 19706-19710.	2.8	16

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55	Ca(SCN)₂ and Ca(SCN)₂ Â· 2 H₂O: Crystal Structure, Thermal Behavior and Vibrational Spectroscopy. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2002, 57, 1419-1426.	0.3	15
56	KEu2Cl6 und K1, 6Eu1, 4Cl5: Zwei neue gemischtvalente EuropiumchlorideProfessor Dieter Naumann zum 60. Geburtstag gewidmet. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2002, 628, 1815.	0.6	15
57	Urea Route to Homoleptic Cyanatesâ€"Characterization and Luminescence Properties of [M(OCN)₂(urea)] and M(OCN)₂ with M=Sr, Eu. Chemistry - A European Journal, 2009, 15, 6186-6193.	1.7	15
58	Homo- and Heterometallic Terbium Alkoxides - Synthesis, Characterization and Conversion to Luminescent Oxide Nanostructures. European Journal of Inorganic Chemistry, 2011, 2011, 2148-2157.	1.0	15
59	Multidimensional Open-Frameworks: Combinations of One-Dimensional Channels and Two-Dimensional Layers in Novel Bi/M Oxo-Chlorides. Inorganic Chemistry, 2014, 53, 528-536.	1.9	15
60	Underestimated Color Centers: Defects as Useful Reducing Agents in Lanthanideâ€Activated Luminescent Materials. Angewandte Chemie - International Edition, 2020, 59, 10949-10954.	7.2	15
61	Synthese und Kristallstrukturen der Tetrachlorozinkate SrZnCl4 und BaZnCl4. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 1999, 625, 507-510.	0.6	14
62	A ligand field theory-based methodology for the characterization of the Eu 2+ [Xe]4f 6 5d 1 excited states in solid state compounds. Chemical Physics Letters, 2015, 622, 120-123.	1.2	14
63	Synthesis, Crystal Structure and Physicoâ€Chemical Studies of Neodymium and Erbium Methoxides Containing Thienyl Substituents. European Journal of Inorganic Chemistry, 2010, 2010, 879-889.	1.0	13
64	Phosphosilicateâ€"polyamidoamine hyperbranched polymerâ€"Er³⁺ nanocomposite toward planar optical waveguide applications. Polymer Composites, 2019, 40, 2029-2038.	2.3	12
65	Simulation of the crystal field effect on the Pr3+ ion in K2La1â^'Pr Cl5 ternary chlorides. Journal of Alloys and Compounds, 2004, 380, 27-33.	2.8	11
66	Luminescent Semiconductors. Angewandte Chemie - International Edition, 2011, 50, 806-808.	7.2	11
67	The synthesis of the heterocubane cluster [{CpMn}₄(Î¼₃-P)₄] as a tetrahedral shaped starting material for the formation of polymeric coordination compounds. Chemical Communications, 2015, 51, 13474-13477.	2.2	11
68	Spectroscopic investigation and simulation of the crystal field effect as well as paramagnetic behavior of K2La1â^'xPrxCl5 ternary chlorides. Optical Materials, 2006, 29, 287-303.	1.7	10
69	Magnetism and Afterglow United: Synthesis of Novel Double Coreâ€"Shell Eu²⁺â€Doped Bifunctional Nanoparticles. Chemistry - A European Journal, 2020, 26, 6833-6838.	1.7	10
70	BaClSCN und Na4Mg(SCN)6: Zwei neue wasserfreie Thiocyanate der Erdalkalimetalle. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2001, 627, 1279-1282.	0.6	9
71	Photoluminescence of ZnGa2S4 : Eu2+. Zeitschrift Fur Kristallographie - Crystalline Materials, 2005, 220, 277-280.	0.4	9
72	Syntheses, Crystal Structures, and Physicoâ€Chemical Studies of Sodium and Potassium Alcoholates Bearing Thienyl Substituents and their Derived Luminescent Samarium(III) Alkoxides. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2010, 636, 2262-2275.	0.6	8

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73	Bonding Scheme and Optical Properties in BiM₂O₂(PO₄) (M=Cd,) Tj ETQq1 1 0.784314 rgBT	1.7	8
74	Nature of Localized Excitons in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>CsMg</mml:mi><mml:msub><mml:mrow><mml:mi>X</mml:mi></mml:mrow><mml:mrow><m (<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML") Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td (display="inline"><mml:mrow><mml:mi>CsMg</mml:mi><mml:msub><mml:mrow><mml:mi>X</mml:mi></mml:mrow><mml:mrow><mm	1.5	8
75	Review Applied, 2018, 9, . Crystal Structure, Thermal Behavior, and Luminescence of BaZnCl4-II:Sm2+ and Comparision to BaZnCl4-I:Sm2+. Journal of Solid State Chemistry, 2001, 162, 237-242.	1.4	7
76	Crystal Structure, Second Harmonic Generation, and Vibrational Spectroscopy of K2Mg2(SCN)6Â·3H2Oâ€. Chemistry of Materials, 2004, 16, 4016-4021.	3.2	7
77	Completing the Series: New Coordination Networks of Composition ³_{âˆž}[RE₂(ADC)₃(H₂O)₆]Â·2H₂O with RE = Pr, Nd, Sm, Eu, Tb, Dy, Ho, Er, Y and ADC^{2â€“} = Acetylenedicarboxylate (^{â€“}O₂Câ€“Câ‰¡Câ€“CO₂^{â€“}). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2018, 644, 127-135.	0.6	7
78	Synthesis, structure, complexation, and luminescence properties of the first metal-organic curcumin compound Bis(4-triphenylsiloxy)curcumin. Journal of Luminescence, 2019, 211, 243-250.	1.5	7
79	Eu(O 2 Câ€Câ‰¡Câ€CO 2): An Eu II Containing Anhydrous Coordination Polymer with High Stability and Negative Thermal Expansion. Chemistry - A European Journal, 2020, 26, 2726-2734.	1.7	7
80	Ba2CoCl6: Synthese, Kristallstruktur und spektroskopische Eigenschaften. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2000, 626, 2103-2106.	0.6	6
81	A Guide to Brighter Phosphorsâ€Linking Luminescence Properties to Doping Homogeneity Probed by NMR. ChemPhysChem, 2019, 20, 3245-3250.	1.0	6
82	Tailoring long lasting luminescence of red-emitting CaWO4:Eu3+, Sm3+ nanoparticles with enhanced crystallinity for improved bio-imaging. Ceramics International, 2020, 46, 26295-26298.	2.3	6
83	A Highly Triflated Rareâ€Earth Ion in [Eu(O₃SCF₃)₈]^{5â^’}. Chemistry - A European Journal, 2015, 21, 12389-12395.	1.7	5
84	Development of Gold Nanoparticle-Based SERS Substrates on TiO2-Coating to Reduce the Coffee Ring Effect. Nanomaterials, 2022, 12, 860.	1.9	4
85	Tailoring Chitosan Nanocomposites for Planar Optical Waveguide Applications. Polymer Science - Series A, 2022, 64, 342-353.	0.4	4
86	Polymorphs of 2,3-diphenyl maleic acid anhydride and 2,3-diphenyl maleic imide: Synthesis, crystal structures, lattice energies and fluorescence. Zeitschrift Fur Kristallographie - Crystalline Materials, 2005, 220, .	0.4	2
87	Nanocomposites dendritic polyamidoamine-based chitosan hyperbranched polymer embedded in silica â€“ phosphate for waveguide applications. Polymer-Plastics Technology and Materials, 2021, 60, 744-755.	0.6	2
88	QuaternÃre Chloride des zweiwertigen Europiums mit dreiwertigen Ãœbergangsmetallen: Synthese und Kristallstruktur von Na6Eu3M4Cl24 (Mâ€Š=â€ŠTi, V, Cr). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2001, 627, 549-553.	0.6	1
89	Lumineszenz der Eu2+-dotierten Perowskite CsMBr3 (M = Mg, Ca, Sr). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2004, 630, 1699-1699.	0.6	1
90	Luminescent Study on Nd³⁺ Complexes Containing Carboxylateâ€Dithiolene and Alkoxideâ€Dithiolene Ligands. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2008, 634, 2551-2556.	0.6	1

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91	Inorganic Luminescence Materials for LEDs. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2008, 634, 2088-2088.	0.6	1
92	Frontispiece: Green Synthesis of A₂SiF₆ (A=Liâ€“Cs) Nanoparticles using Ionic Liquids as Solvents and as Fluorine Sources: A Simple Approach without HF. Chemistry - A European Journal, 2017, 23, .	1.7	1
93	White Light Emitting Diodes: Facile Ionic Liquidâ€Assisted Strategy for Direct Precipitation of Eu²⁺â€Activated Nanophosphors under Ambient Conditions (Small 17/2018). Small, 2018, 14, 1870076.	5.2	1
94	Thermally and Optically Activated Migration of Charge Carriers in Alkali Metal Sesquioxides. ChemPhysChem, 2022, , .	1.0	1
95	Photoluminescence of Ba(SCN)2:Eu2+.. ChemInform, 2004, 35, no.	0.1	0
96	Crystal Structure, Second Harmonic Generation, and Vibrational Spectroscopy of K2Mg2(SCN)6Ã—3H2O.. ChemInform, 2004, 35, no.	0.1	0
97	Simulation of the Crystal Field Effect on the Pr3+ Ion in K2La1-xPrxCl5 Ternary Chlorides.. ChemInform, 2005, 36, no.	0.1	0
98	Thiocyanates as Novel Host Lattices for Emitting Rare Earth Ions: Luminescence of Sr(SCN)2:Eu2+.. ChemInform, 2005, 36, no.	0.1	0
99	The Improvement of Mn2+ activated Phosphors by RE2+ co-doping. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2006, 632, 2091-2091.	0.6	0
100	UnterschÃtzte Farbzentren: Defekte als nÃ¼tzliche Reduktionsmittel in Lanthanidâ€dotierten lumineszenten Materialien. Angewandte Chemie, 2020, 132, 11042-11047.	1.6	0