Hartmut Yersin

List of Publications by Citations

179 papers	9,654 citations	48 h-index	94 g-index
194 ext. papers	10,388 ext. citations	5.7 avg, IF	6.41 L-index

#	Paper	IF	Citations
179	The triplet state of organo-transition metal compounds. Triplet harvesting and singlet harvesting for efficient OLEDs. *Coordination Chemistry Reviews*, **2011**, 255, 2622-2652	23.2	908
178	Triplet Emitters for OLED Applications. Mechanisms of Exciton Trapping and Control of Emission Properties. *Topics in Current Chemistry*,1-26		390
177	Blue-light emission of Cu(I) complexes and singlet harvesting. *Inorganic Chemistry*, **2011**, 50, 8293-301	5.1	354
176	Highly efficient luminescence of Cu(I) compounds: thermally activated delayed fluorescence combined with short-lived phosphorescence. *Journal of the American Chemical Society*, **2015**, 137, 399-404	16.4	311
175	Cu(I) complexes Thermally activated delayed fluorescence. Photophysical approach and material design. *Coordination Chemistry Reviews*, **2016**, 325, 2-28	23.2	310
174	Phosphorescence versus thermally activated delayed fluorescence. Controlling singlet-triplet splitting in brightly emitting and sublimable Cu(I) compounds. *Journal of the American Chemical Society*, **2014**, 136, 16032-8	16.4	305
173	The triplet state of fac-Ir(ppy)3. *Inorganic Chemistry*, **2010**, 49, 9290-9	5.1	283
172	Synthesis, structure, and characterization of dinuclear copper(I) halide complexes with P^N ligands featuring exciting photoluminescence properties. *Inorganic Chemistry*, **2013**, 52, 2292-305	5.1	282
171	Photophysical properties and OLED applications of phosphorescent platinum(II) Schiff base complexes. *Chemistry - A European Journal*, **2010**, 16, 233-47	4.8	242
170	Brightly blue and green emitting Cu(I) dimers for singlet harvesting in OLEDs. *Journal of Physical Chemistry A*, **2013**, 117, 11823-36	2.8	202
169	Emission of Ir(ppy)3. Temperature dependence, decay dynamics, and magnetic field properties. *Chemical Physics Letters*, **2003**, 377, 299-305	2.5	202
168	Spectroscopic properties of the quasi one-dimensional tetracyanoplatinate(II) compounds **1985**, 87-153		198
167	Organometallic Pt(II) and Ir(III) Triplet Emitters for OLED Applications and the Role of Spin Orbit Coupling: A Study Based on High-Resolution Optical Spectroscopy. *Topics in Organometallic Chemistry*, **2010**, 193-235	0.6	191
166	Improving the performance of Pt(II) complexes for blue light emission by enhancing the molecular rigidity. *Inorganic Chemistry*, **2012**, 51, 312-9	5.1	183
165	Thermally activated delayed fluorescence (TADF) and enhancing photoluminescence quantum yields of [Cu(I)(diimine)(diphosphine)](+) complexes-photophysical, structural, and computational studies. *Inorganic Chemistry*, **2014**, 53, 10854-61	5.1	177
164	Diversity of copper(I) complexes showing thermally activated delayed fluorescence: basic photophysical analysis. *Inorganic Chemistry*, **2015**, 54, 4322-7	5.1	147
163	Brightly luminescent Pt(II) pincer complexes with a sterically demanding carboranyl-phenylpyridine ligand: a new material class for diverse optoelectronic applications. *Journal of the American Chemical Society*, **2014**, 136, 9637-42	16.4	142

162	Highly efficient thermally activated fluorescence of a new rigid Cu(I) complex [Cu(dmp)(phanephos)]+. *Dalton Transactions*, **2013**, 42, 9826-30	4.3	138
161	Blue light emitting Ir(III) compounds for OLEDs - new insights into ancillary ligand effects on the emitting triplet state. *Journal of Physical Chemistry A*, **2009**, 113, 5927-32	2.8	138
160	TADF Material Design: Photophysical Background and Case Studies Focusing on Cu and Ag Complexes. *ChemPhysChem*, **2017**, 18, 3508-3535	3.2	137
159	Low-Lying Electronic States and Photophysical Properties of Organometallic Pd(II) and Pt(II) Compounds. Modern Research Trends Presented in Detailed Case Studies. *Topics in Current Chemistry*, **2001**, 81-186		132
158	Photophysical properties of cyclometalated Pt(II) complexes: counterintuitive blue shift in emission with an expanded ligand π system. *Inorganic Chemistry*, **2013**, 52, 12403-15	5.1	126
157	Low-lying electronic states of [Rh(bpy)3]3+, [Pt(bpy)2]2+, and [Ru(bpy)3]2+. A comparative study based on highly resolved and time-resolved spectra. *Coordination Chemistry Reviews*, **1997**, 159, 325-358	23.2	116
156	Matrix effects on the triplet state of the OLED emitter Ir(4,6-dFppy)2(pic) (FIrpic): investigations by high-resolution optical spectroscopy. *Inorganic Chemistry*, **2009**, 48, 1928-37	5.1	115
155	Exceptional Oxygen Sensing Capabilities and Triplet State Properties of Ir(ppy-NPh2)3. *Chemistry of Materials*, **2009**, 21, 2173-2175	9.6	113
154	Copper(I) Complexes for Thermally Activated Delayed Fluorescence: From Photophysical to Device Properties. *Topics in Current Chemistry*, **2016**, 374, 25	7.2	97
153	Triplets in metal–organic compounds. Chemical tunability of relaxation dynamics. *Coordination Chemistry Reviews*, **2000**, 208, 331-364	23.2	96
152	Design Strategy for Ag(I)-Based Thermally Activated Delayed Fluorescence Reaching an Efficiency Breakthrough. *Chemistry of Materials*, **2017**, 29, 1708-1715	9.6	84
151	Triplet state properties of the OLED emitter Ir(btp)2(acac): characterization by site-selective spectroscopy and application of high magnetic fields. *Inorganic Chemistry*, **2007**, 46, 5076-83	5.1	84
150	Synthesis, Characterisation and Ligand Properties of Novel Bi-1,2,3-triazole Ligands. *European Journal of Inorganic Chemistry*, **2007**, 2007, 4597-4606	2.3	77
149	A new class of luminescent Cu(I) complexes with tripodal ligands – TADF emitters for the yellow to red color range. *Dalton Transactions*, **2015**, 44, 8506-20	4.3	73
148	Crystal Structure of fac-Ir(ppy)3 and Emission Properties under Ambient Conditions and at High Pressure. *Chemistry of Materials*, **2005**, 17, 1745-1752	9.6	72
147	Synthesis of cyclometallated platinum complexes with substituted thienylpyridines and detailed characterization of their luminescence properties. *Inorganic Chemistry*, **2009**, 48, 4179-89	5.1	70
146	Intraligand Charge Transfer in Pt(qol)(2). Characterization of Electronic States by High-Resolution Shpol'skii Spectroscopy. *Inorganic Chemistry*, **1997**, 36, 3040-3048	5.1	70
145	Thermally Activated Delayed Fluorescence from Ag(I) Complexes: A Route to 100% Quantum Yield at Unprecedentedly Short Decay Time. *Inorganic Chemistry*, **2017**, 56, 13274-13285	5.1	68

144	Organometallic Pt(II) compounds. A complementary study of a triplet emitter based on optical high-resolution and optically detected magnetic resonance spectroscopy. *Inorganic Chemistry*, **2002**, 41, 4915-22	5.1	67
143	Characterization of excited electronic and vibronic states of platinum metal compounds with chelate ligands by highly frequency-resolved and time-resolved spectra. *Topics in Current Chemistry*, **1997**, 153-249		65
142	SPECTROSCOPIC STUDIES OF Mx[Pt(CN)4] □yH2O*. *Annals of the New York Academy of Sciences*, **1978**, 313, 539-559	6.5	65
141	Characterization of triplet sublevels by Highly resolved vibrational satellite structures. Application to Pt(2-thpy)2. *The Journal of Physical Chemistry*, **1995**, 99, 13385-13391		64
140	Charge-transfer excited states in phosphorescent organo-transition metal compounds: a difficult case for time dependent density functional theory?. *RSC Advances*, **2015**, 5, 63318-63329	3.7	63
139	On the nature of energy bands in tetracyanoplatinates. *Solid State Communications*, **1977**, 21, 915-918	1.6	63
138	Franck-Condon analysis of transition-metal complexes. *Journal of the American Chemical Society*, **1980**, 102, 951-955	16.4	62
137	Probing the excited state properties of the highly phosphorescent Pt(dpyb)Cl compound by high-resolution optical spectroscopy. *Inorganic Chemistry*, **2009**, 48, 11407-14	5.1	58
136	On the lowest excited states of [Ru(bpy)3](PF6)2 single crystals. *Journal of the American Chemical Society*, **1984**, 106, 6582-6586	16.4	57
135	Polarized emission from Ba[Pt(CN)4]□4H2O single crystals under high pressure. *Chemical Physics Letters*, **1976**, 40, 423-428	2.5	55
134	Energy transfer from linear stacks of tetracyanoplatinates(II) to rare earth ions. *Journal of Chemical Physics*, **1978**, 68, 4707-4713	3.9	55
133	Dinuclear Ag(I) Complex Designed for Highly Efficient Thermally Activated Delayed Fluorescence. *Journal of Physical Chemistry Letters*, **2018**, 9, 702-709	6.4	51
132	The lowest excited state of brightly emitting gold(I) triphosphine complexes. *Inorganic Chemistry*, **2010**, 49, 3764-7	5.1	48
131	Dinuclear Cu(I) Complex with Combined Bright TADF and Phosphorescence. Zero-Field Splitting and Spin-Lattice Relaxation Effects of the Triplet State. *Journal of Physical Chemistry Letters*, **2018**, 9, 2848-2856	6.4	47
130	Emission and absorption of Ir(ppy)2(CO)(Cl) □temperature dependence, phosphorescence decay dynamics, and assignment of excited states. *Chemical Physics Letters*, **2004**, 397, 289-295	2.5	43
129	Extreme Pressure-Induced Shifts of Emission Energies in M[Au(CN)2] and M2[Pt(CN)4].cntdot.nH2O. Compounds with Low-Dimensional and Metal-Metal Interactions. *Inorganic Chemistry*, **1995**, 34, 1642-1645	5.1	43
128	Highly resolved emission of osmium-deuterated bipyridine compound [Os(bpy-h8)n(bpy-d8)3-n]2+ (n = 0-3): evidence for electronic delocalization. *The Journal of Physical Chemistry*, **1993**, 97, 12705-12709		43
127	Polarized emission of tris(2,2Pbipyridine)ruthenium bis(hexafluorophosphate) ([Ru(bpy)3](PF6)2) single crystals. *Journal of the American Chemical Society*, **1983**, 105, 4155-4156	16.4	42

126	A new class of deep-blue emitting Cu(I) compounds--effects of counter ions on the emission behavior. *Dalton Transactions*, **2015**, 44, 20045-55	4.3	41
125	Bright sky-blue phosphorescence of [n-Bu4N][Pt(4,6-dFppy)(CN)2]: synthesis, crystal structure, and detailed photophysical studies. *Inorganic Chemistry*, **2010**, 49, 7818-25	5.1	41
124	Thermally Tunable Dual Emission of the d(8)-d(8) Dimer [Pt2(P2O5(BF2)2)4](4). *Inorganic Chemistry*, **2016**, 55, 2441-9	5.1	40
123	Highly Efficient Organic Light-Emitting Diode Using A Low Refractive Index Electron Transport Layer. *Advanced Optical Materials*, **2017**, 5, 1700197	8.1	39
122	Crystal Engineering as a Tool for Directed Radiationless Energy Transfer in Layered {[Ru(bpy)3][Os(bpy)3]}(PF6)4. *Journal of the American Chemical Society*, **2000**, 122, 2548-2555	16.4	39
121	Highly resolved polarized absorption spectra of single-crystal [Ru(bpy)3](PF6)2. *Chemical Physics Letters*, **1987**, 134, 497-501	2.5	39
120	Organometallic Emitters for OLEDs: Triplet Harvesting, Singlet Harvesting, Case Structures, and Trends **2013**, 371-424		38
119	Symmetry-Based Design Strategy for Unprecedentedly Fast Decaying Thermally Activated Delayed Fluorescence (TADF). Application to Dinuclear Cu(I) Compounds. *Chemistry of Materials*, **2019**, 31, 4392-4404	9.6	37
118	Tunable Radiationless Energy Transfer in Eu[Au(CN)2]3·3H2O by High Pressure. *Inorganic Chemistry*, **1998**, 37, 3209-3216	5.1	37
117	Characterization of the Lowest Excited States of [Rh(bpy-h(8))(n)(bpy-d(8))(3-n)](3+) by Highly Resolved Emission and Excitation Spectra. *Inorganic Chemistry*, **1996**, 35, 2220-2228	5.1	36
116	Magnetic-field effects in the low-temperature polarized emission and absorption spectra of single-crystal tris(2,2'-bipyridine)ruthenium(2+) bis(hexafluorophosphate) ([Ru(bpy)3](PF6)2). *Journal of the American Chemical Society*, **1987**, 109, 4818-4822	16.4	36
115	Intraligand charge transfer in the Pd(II) oxinate complex Pd(qol)2. Site-selective emission, excitation, and optically detected magnetic resonance. *Inorganic Chemistry*, **2000**, 39, 770-7	5.1	35
114	Localization in excited states of molecules. Application to [Ru(bpy)3]2+. *Coordination Chemistry Reviews*, **1991**, 111, 39-46	23.2	35
113	Spatial Extensions of Excited States of Metal Complexes. Tunability by Chemical Variation. *Inorganic Chemistry*, **1999**, 38, 5820-5831	5.1	34
112	Fine structure in the emission spectrum of [Ru(bpy)3] (PF6)2 single crystals. *Inorganica Chimica Acta* , **1986**, 113, 91-94	2.7	34
111	Low-temperature emission spectra of crystalline [Ru(bpy)3](ClO4)2. *Chemical Physics Letters*, **1985**, 120, 445-449	2.5	33
110	Destabilization of a self-trapped exciton in a quasi-one-dimensional semiconductor: Mg[Pt(CN)4]·7H2O with hydrostatic pressure. *Physical Review B*, **1982**, 26, 3187-3191	3.3	33
109	Singlet harvesting with brightly emitting Cu(I) and metal-free organic compounds **2012**,		31

108	Isotope-induced shifts of electronic transitions: application to [Ru(bpy-h8)3]2+ and [Ru(bpy-d8)3]2+ in [Zn(bpy-h8)3](ClO4)2. *Chemical Physics Letters*, **1991**, 179, 85-94	2.5	31
107	Donor and acceptor state selectivity in resonant energy transfer. *Journal of Chemical Physics*, **1982**, 76, 2136-2138	3.9	31
106	Transition energy tuning from 3.3 to 1.4 eV in the system Mx[Pt(CN)4]□mH2O. *Physical Review B*, **1979**, 19, 177-180	3.3	31
105	Spin-orbit coupling routes and OLED performance: studies of blue-light emitting Ir(III) and Pt(II) complexes **2007**,		30
104	Design of a New Mechanism beyond Thermally Activated Delayed Fluorescence toward Fourth Generation Organic Light Emitting Diodes. *Chemistry of Materials*, **2019**, 31, 6110-6116	9.6	29
103	Triplet state relaxation processes of the OLED emitter Pt(4,6-dFppy)(acac). *Chemical Physics Letters*, **2009**, 468, 46-51	2.5	29
102	Matrix influence on the OLED emitter Ir(btp)2(acac) in polymeric host materials □Studies by persistent spectral hole burning. *Organic Electronics*, **2008**, 9, 641-648	3.5	29
101	Energy transfer and harvesting in [Ru1□Osx(bpy)3](PF6)2 and {□[Ru(bpy)3]□[Os(bpy)3]}(PF6)4. *Coordination Chemistry Reviews*, **2002**, 229, 75-93	23.2	29
100	Vibrational satellite structures and properties of electronic states of transition metal complexes. *Coordination Chemistry Reviews*, **1994**, 132, 35-42	23.2	29
99	Deep blue emitting Cu(i) tripod complexes. Design of high quantum yield materials showing TADF-assisted phosphorescence. *Dalton Transactions*, **2018**, 47, 17067-17076	4.3	29
98	Phosphorescence dynamics and spin-lattice relaxation of the OLED emitter Ir(btp)2(acac). *Chemical Physics Letters*, **2007**, 444, 273-279	2.5	28
97	X-ray diffraction and spectroscopic investigations of phase transitions in linear chain compounds M2 [Pt(CN)4]3 □21H2O, with M = Dy, Er, Tb, Y. *Solid State Communications*, **1979**, 30, 353-355	1.6	28
96	Triplet sublevels of metal organic complexes □emperature dependence of spin□attice relaxation. *Chemical Physics*, **2000**, 255, 301-316	2.3	26
95	Triplet state properties of a red light emitting [Pt(s-thpy)(acac)] compound. *Chemical Physics Letters*, **2010**, 486, 53-59	2.5	24
94	Characterization of intraligand charge transfer transitions in Pd(qol)2, Pt(qol)2 and Pt(qtl)2 investigated by Shpol□kii spectroscopy. *Journal of Luminescence*, **1997**, 72-74, 658-659	3.8	24
93	Cu(I) and Ag(I) Complexes with a New Type of Rigid Tridentate N,P,P-Ligand for Thermally Activated Delayed Fluorescence and OLEDs with High External Quantum Efficiency. *Chemistry of Materials*, **2020**, 32, 10365-10382	9.6	23
92	Design of Conformationally Distorted Donor-Acceptor Dyads Showing Efficient Thermally Activated Delayed Fluorescence. *Journal of Physical Chemistry Letters*, **2018**, 9, 3692-3697	6.4	23
91	Gold(I) Complexes Bearing P?N-Ligands: An Unprecedented Twelve-membered Ring Structure Stabilized by Aurophilic Interactions. *Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences*, **2009**, 64, 1513-1524	1	23

90	Sky-blue thermally activated delayed fluorescence (TADF) based on Ag(I) complexes: strong solvation-induced emission enhancement. *Inorganic Chemistry Frontiers*, **2019**, 6, 3168-3176	6.8	23
89	Design strategies for materials showing thermally activated delayed fluorescence and beyond: Towards the fourth-generation OLED mechanism. *Journal of the Society for Information Display*, **2018**, 26, 194-199	2.1	22
88	Determination of Relaxation Paths in the Manifold of Excited States of Pt(2-thpy)2 and [Ru(bpy)3]2+ by Time-Resolved Excitation and Emission. *Inorganic Chemistry*, **1997**, 36, 3957-3965	5.1	22
87	Ligand-centered 3 emission and raman activity of [Pt(bpy-h8) (bpy-d8)2]2+ (n=0,1,2). *Inorganica Chimica Acta*, **1997**, 265, 139-147	2.7	22
86	Emission, Emissionslebensdauer und Absorption von [Cr urea6]X3-Einkristallen. *Theoretica Chimica Acta*, **1974**, 33, 63-78		22
85	Structure and spectroscopy of Tb[Au(CN)2]3.3H2O. *Journal of Physical Chemistry B*, **2005**, 109, 13083-90	3.4	21
84	Highly resolved emission of tris(2,2bipyridine-d8)osmium(2+). *The Journal of Physical Chemistry*, **1990**, 94, 3560-3564		21
83	Effect of high pressure on the emission spectrum of tris(2,2bipyridine)ruthenium(II) hexafluorophosphate single crystals. *Inorganic Chemistry*, **1984**, 23, 3745-3748	5.1	21
82	High pressure tuning of optical transitions in Mg[Pt(CN)4]7H2O. *Solid State Communications*, **1978**, 27, 1305-1308	1.6	21
81	Ag(i) complex design affording intense phosphorescence with a landmark lifetime of over 100 milliseconds. *Dalton Transactions*, **2019**, 48, 2802-2806	4.3	20
80	Unprecedented coordination chemistry of a chloro(phosphine)gold(I) complex: [(Ad2BnP)2Au][AuCl2]. *Inorganic Chemistry Communication*, **2008**, 11, 409-412	3.1	20
79	Site selective spectra of the lowest excited states of [Os(bpy)3]2+ in [Ru1-x Os x (bpy)3]X 2(X = PF6, AsF6, SbF6). *Molecular Physics*, **1989**, 67, 417-430	1.7	20
78	Magnetic-field induced absorption of zero-phonon lines in tris(bipyridine)ruthenium(2+) bis(hexafluorophosphate) and diperchlorate single crystals. *Inorganic Chemistry*, **1987**, 26, 1641-1642	5.1	20
77	Halocuprate(I) zigzag chain structures with N-methylated DABCO cations--bright metal-centered luminescence and thermally activated color shifts. *Dalton Transactions*, **2015**, 44, 19305-13	4.3	19
76	TADF for singlet harvesting: next generation OLED materials based on brightly green and blue emitting Cu(I) and Ag(I) compounds **2014**,		19
75	Photophysical properties of Re(pbt)(CO)4 studied by high resolution spectroscopy. *Chemical Physics Letters*, **2009**, 468, 205-210	2.5	18
74	Chemically tuned zero-field splittings and spin-lattice relaxation Investigation by time-resolved emission. *Journal of Luminescence*, **1997**, 72-74, 462-463	3.8	18
73	Matrix deuteration effects and spin-lattice relaxation in the lowest triplet of the palladium(II) complex Pd(2-thpy)2. *Chemical Physics Letters*, **1995**, 235, 490-496	2.5	18

72	Zero-phonon and vibronic structure of [Os(bpy)32+ doped into single-crystal [Ru(bpy)3](ClO4)2. *Chemical Physics Letters*, **1987**, 140, 157-162	2.5	18
71	On the zero-phonon structure of single-crystal [Ru(bpy)3](PF6)2. *Inorganica Chimica Acta*, **1987**, 132, 187-191	2.7	18
70	Luminescence quenching and exciton dynamics in quasi-one-dimensional mixed crystals: Ba[Pt1Nix(CN)4]?4H2O. *Journal of Chemical Physics*, **1981**, 74, 2124-2128	3.9	18
69	Magnetic field effects on the phosphorescence of Pt(4,6-dFppy)(acac) Tunability of the vibrational satellite structure. *Chemical Physics Letters*, **2010**, 484, 261-265	2.5	17
68	Effect of high pressure on the emission spectrum of single crystals of Tl[Au(CN)2]. *Chemical Physics Letters*, **1998**, 295, 95-98	2.5	17
67	Synthesis, crystal structures, and electronic spectra of (1,8-naphthyridine)ReI(CO)3Cl and [(1,8-naphthyridine)CuI(DPEPhos)]PF6. *Inorganic Chemistry Communication*, **2007**, 10, 1473-1477	3.1	17
66	Zero-field splittings of the two lowest excited electronic states in crystalline [Ru(bpy)3]X2 with X=PF6, ClO4. *Chemical Physics Letters*, **1989**, 161, 315-320	2.5	17
65	Spectroscopic Behaviour of Quasi-One-Dimensional Linear Chains in MgPt(CN)4 7 H2O Single Crystals. *Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences*, **1975**, 30, 183-190	1	17
64	Emission properties of [Ru(bpy)3X2hH2O powders. *Inorganica Chimica Acta*, **1985**, 105, 201-203	2.7	16
63	Encapsulation of functional organic compounds in nanoglass for optically anisotropic coatings. *Angewandte Chemie - International Edition*, **2015**, 54, 4963-7	16.4	15
62	High-Pressure, Low-Temperature Emission Studies of a Metal Organic Platinum(II) Compound in a Shpolskii Matrix. *Inorganic Chemistry*, **1999**, 38, 1411-1415	5.1	15
61	Pressure-induced tuning of fluorescence to phosphorescence in [Cr(urea-h4)6] (ClO4)3 and [Cr(urea-d4)6] (ClO4)3. *Chemical Physics Letters*, **1992**, 199, 1-9	2.5	15
60	Geometrical distortions in excited A?2 states of single-crystal [Ru(bpy)3](PF6)2. *Chemical Physics Letters*, **1989**, 158, 519-524	2.5	13
59	Phase transformation in Y2[Pt(CN)4]3-21H2O. *Chemical Physics Letters*, **1978**, 54, 111-116	2.5	13
58	Palladium(II)- and platinum(II)phenyl-2,6-bis(oxazole) pincer complexes: syntheses, crystal structures, and photophysical properties. *Dalton Transactions*, **2011**, 40, 8800-6	4.3	12
57	Zeeman splittings of the two lowest excited states of [Ru(bpy)3](PF6)2. *Chemical Physics Letters*, **1990**, 171, 122-126	2.5	12
56	Triplet state properties of [Os(phen)2(dppene)]2+ in different host materials and host to guest energy transfer in PVK. *Chemical Physics Letters*, **2008**, 455, 72-78	2.5	11
55	Organometallic triplet emitters for OLED applications: controlling emission properties by chemical variation **2004**, 5214, 124		11

54	Energy Transfer between Different Sites in Neat Single-Crystal [Ru(bpy)3](PF6)2. *Inorganic Chemistry*, **1995**, 34, 1967-1968	5.1	10
53	Molecular mechanical and quantum chemical study on the species involved in the hydrolysis of cis-diamminedichloroplatinum(II) and substituted bis(ethylenediamine)dichloroplatinum(II) complexes Part I. Reactants and products. *Inorganica Chimica Acta*, **1994**, 217, 159-170	2.7	10
52	Triplet Emitters for Organic Light-Emitting Diodes: Basic Properties1-97		9
51	Emission properties of Ir(ppy) 3 and Ir(ppy) 2 (CO)(Cl): compounds with different transition types **2004**, 5214, 356		9
50	Temperature dependence of photophysical properties of a dinuclear C^N-cyclometalated Pt(ii) complex with an intimate Pt-Pt contact. Zero-field splitting and sub-state decay rates of the lowest triplet. *Physical Chemistry Chemical Physics*, **2018**, 20, 25096-25104	3.6	9
49	Gold(I) Complexes Containing Phosphanyl- and Arsanylborane Ligands. *Chemistry - A European Journal*, **2018**, 24, 10073	4.8	9
48	Quasi-epitaxial growth of [Ru(bpy)3](2+) by confinement in clay nanoplatelets yields polarized emission. *Small*, **2015**, 11, 792-6	11	8
47	Lowest excited triplet states in [Ru(bpy)3]2+ and [Rh(bpy)3]3+ A comparative study based on highly resolved spectra. *Journal of Luminescence*, **1997**, 72-74, 677-678	3.8	8
46	Spin-lattice relaxation in metal-organic platinum(II) complexes. *Chemical Physics Letters*, **2000**, 316, 280-284	2.5	8
45	Energy transfer and highly resolved emission of [Ru1-xOsx(bpy)3] (PF6)2. *Journal of Luminescence*, **1988**, 40-41, 676-677	3.8	8
44	Energy harvesting in {[Ru(bpy)3][Os(bpy)3]}(PF6)4 and tunability of emission properties under magnetic field application. *Chemical Physics Letters*, **2002**, 362, 365-372	2.5	7
43	Sandwich-Like Encapsulation of a Highly Luminescent Copper(I) Complex. *Advanced Optical Materials*, **2021**, 9, 2100516	8.1	7
42	Electric-field induced nonlinear optical materials based on a bipolar copper (I) complex embedded in polymer matrices. *Journal of Materials Science: Materials in Electronics*, **2015**, 26, 8394-8397	2.1	6
41	Lumineszenzlebensdauern sauerstoffkoordinierter Chrom(III)-Komplexkristalle bei tiefen Temperaturen. *Zeitschrift Fur Physikalische Chemie*, **1974**, 92, 193-197	3.1	6
40	Polarisations-spektralphotometrische Untersuchungen in Emission und Absorption an [Cr urea6] J3-Einkristallen. *Zeitschrift Fur Elektrotechnik Und Elektrochemie*, **1971**, 75, 1257-1263		6
39	Highly Efficient Red-Phosphorescent Iridium Complexes163-183		5
38	Crystal Structure of trans-Bis(acetonitrile)dich]oroplatinum(II). *Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences*, **1994**, 49, 297-300	1	5
37	Photoconductivity in Ba[Pt(CN)4]·4H2O crystals. *Chemical Physics Letters*, **1981**, 81, 371-374	2.5	5

36	P?N Bridged Cu(I) Dimers Featuring Both TADF and Phosphorescence. From Overview towards Detailed Case Study of the Excited Singlet and Triplet States. *Molecules*, **2021**, 26,	4.8	5
35	TADF Material Design: Photophysical Background and Case Studies Focusing on Cu(I) and Ag(I) Complexesa **2018**, 1-60		5
34	Nanoglas-Verkapselung funktionaler organischer Verbindungen f optisch anisotrope Beschichtungen. *Angewandte Chemie*, **2015**, 127, 5047-5051	3.6	4
33	Phosphorescent Platinum(II) Materials for OLED Applications259-282		4
32	Phosphorescence studies of the Pt(thpy)2 complex for use in single molecule spectroscopy. *Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)*, **2005**, 99, 297	0.7	4
31	Fabrication of a Solution-Processed White Light Emitting Diode Containing a Single Dimeric Copper(I) Emitter Featuring Combined TADF and Phosphorescence.. *Micromachines*, **2021**, 12,	3.3	4
30	Cu(I) Complexes of Multidentate and Carbodiphosphorane Ligands and Their Photoluminescence. *Molecules*, **2020**, 25,	4.8	4
29	Status and Next Steps of TADF Technology: An Industrial Perspective **2018**, 543-572		4
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