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List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Benzannulation of a ditopic ligand to afford mononuclear and dinuclear Ir(III) complexes with intense phosphorescence: applications in singlet oxygen generation and bioimaging. <i>Journal of Materials Chemistry C</i> , 2022, 10, 1870-1877.	5.5	6
2	Near-infrared emitting copper(I) complexes with a pyrazolylpyrimidine ligand: exploring relaxation pathways. <i>Dalton Transactions</i> , 2022, 51, 2898-2911.	3.3	7
3	Photophysical and structural characterization of the bis-cyclometalated compound [Ir(ppy) ₂ (¹ 2N-tpz)]PF ₆ and evaluation of its cytotoxic activity. <i>Inorganica Chimica Acta</i> , 2022, 534, 120806.	2.4	2
4	Ligand design and nuclearity variation towards dual emissive Pt(II) complexes for singlet oxygen generation, dual channel bioimaging, and theranostics. <i>Journal of Materials Chemistry C</i> , 2022, 10, 5636-5647.	5.5	4
5	Chemistry of glycol nucleic acid (GNA): Synthesis, photophysical characterization and insight into the biological activity of phenanthrenyl GNA constituents. <i>Bioorganic Chemistry</i> , 2022, 125, 105847.	4.1	3
6	Eliminating the Reverse ISC Bottleneck of TADF Through Excited State Engineering and Environment-Tuning Toward State Resonance Leading to Mono-Exponential Sub-Åns Decay. High OLED External Quantum Efficiency Confirms Efficient Exciton Harvesting. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	19
7	Bis-cyclometalated Iridium Complexes Containing Modified Phenanthroline Ligands and Evaluation of their Cytotoxic Activities. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021, 647, 306-311.	1.2	8
8	Liquid-crystalline TADF materials based on substituted carbazoles and terephthalonitrile. <i>Journal of Materials Chemistry C</i> , 2021, 9, 6528-6535.	5.5	9
9	Cytotoxic Activities of Bis-cyclometalated Rhodium(III) and Iridium(III) Complexes Containing 2,2'-Biphenyldiamine. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021, 647, 519-524.	1.2	2
10	Sandwich-Like Encapsulation of a Highly Luminescent Copper(I) Complex. <i>Advanced Optical Materials</i> , 2021, 9, 2100516.	7.3	12
11	Synthesis and structural characterization of bis-cyclometalated compounds [Ir(dFppy) ₂ (Me ₄ phen)]PF ₆ and [Ir(dF(CF ₃)ppy) ₂ (Me ₄ phen)]PF ₆ . <i>Inorganica Chimica Acta</i> , 2021, 527, 120554.	2.4	0
12	Dual emissive dinuclear Pt(II) complexes and application to singlet oxygen generation. <i>Journal of Materials Chemistry C</i> , 2021, 9, 5808-5818.	5.5	10
13	Fluorescent ¹ 2-ketoenole AmyGreen dye for visualization of amyloid components of bacterial biofilms. <i>Methods and Applications in Fluorescence</i> , 2020, 8, 035006.	2.3	13
14	Near Infrared Phosphorescent Dinuclear Ir(III) Complex Exhibiting Unusually Slow Intersystem Crossing and Dual Emissive Behavior. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 5849-5855.	4.6	27
15	Design of a New Mechanism beyond Thermally Activated Delayed Fluorescence toward Fourth Generation Organic Light Emitting Diodes. <i>Chemistry of Materials</i> , 2019, 31, 6110-6116.	6.7	44
16	Luminescent pyrenyl-GNA nucleosides: synthesis, photophysics and confocal microscopy studies in cancer HeLa cells. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 2449-2460.	2.9	8
17	Can Coumarins Break Kasha's Rule?. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 6468-6471.	4.6	17
18	Ag(I) complex design affording intense phosphorescence with a landmark lifetime of over 100 milliseconds. <i>Dalton Transactions</i> , 2019, 48, 2802-2806.	3.3	30

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19	Luminescent $[\text{Re}(\text{CO})_3(\text{phen})]$ carboxylato complexes with non-steroidal anti-inflammatory drugs: synthesis and mechanistic insights into the <i>in vitro</i> anticancer activity of $[\text{Re}(\text{CO})_3(\text{phen})(\text{aspirin})]$. <i>New Journal of Chemistry</i> , 2019, 43, 573-583.	2.8	32
20	Substitution of Metallocenes with [2.2]Paracyclophane to Enable Confocal Microscopy Imaging in Living Cells. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 2565-2565.	2.0	0
21	Anthracene-thymine luminophores: Synthesis, photophysical properties, and imaging in living HeLa cells. <i>Dyes and Pigments</i> , 2019, 170, 107554.	3.7	8
22	Design strategies for materials showing thermally activated delayed fluorescence and beyond: Towards the fourth-generation OLED mechanism. <i>Journal of the Society for Information Display</i> , 2018, 26, 194-199.	2.1	26
23	Excited-State Switching between Ligand-Centered and Charge Transfer Modulated by Metal-Carbon Bonds in Cyclopentadienyl Iridium Complexes. <i>Inorganic Chemistry</i> , 2018, 57, 15445-15461.	4.0	12
24	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. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 25096-25104.	2.8	13
25	Distinguished Paper and Invited Paper: Design Strategies for Materials Showing Thermally Activated Delayed Fluorescence and Beyond: Towards the Fourth-generation OLED Mechanism. <i>Digest of Technical Papers SID International Symposium</i> , 2018, 49, 48-51.	0.3	1
26	Design of functionalized β -ketoenole derivatives as efficient fluorescent dyes for detection of amyloid fibrils. <i>New Journal of Chemistry</i> , 2018, 42, 13308-13318.	2.8	15
27	Design of Conformationally Distorted Donor-Acceptor Dyads Showing Efficient Thermally Activated Delayed Fluorescence. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 3692-3697.	4.6	36
28	Design Strategy for Ag(I)-Based Thermally Activated Delayed Fluorescence Reaching an Efficiency Breakthrough. <i>Chemistry of Materials</i> , 2017, 29, 1708-1715.	6.7	93
29	Bis-cyclometalated rhodium- and iridium-complexes with the 4,4'-dichloro-2,2'-bipyridine ligand. Evaluation of their photophysical properties and biological activity. <i>Inorganica Chimica Acta</i> , 2017, 463, 36-43.	2.4	15
30	TADF Material Design: Photophysical Background and Case Studies Focusing on Cu(I) and Ag(I) Complexes. <i>ChemPhysChem</i> , 2017, 18, 3508-3535.	2.1	190
31	Thermally Activated Delayed Fluorescence from Ag(I) Complexes: A Route to 100% Quantum Yield at Unprecedentedly Short Decay Time. <i>Inorganic Chemistry</i> , 2017, 56, 13274-13285.	4.0	85
32	Substitution of Metallocenes with [2.2]Paracyclophane to Enable Confocal Microscopy Imaging in Living Cells. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 297-305.	2.0	13
33	Mitochondria Targeting with Luminescent Rhenium(I) Complexes. <i>Molecules</i> , 2017, 22, 809.	3.8	23
34	Pyrene-nucleobase conjugates: synthesis, oligonucleotide binding and confocal bioimaging studies. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 2521-2534.	2.2	6
35	Cu(I) complexes - Thermally activated delayed fluorescence. Photophysical approach and material design. <i>Coordination Chemistry Reviews</i> , 2016, 325, 2-28.	18.8	416
36	Modulation of Intersystem Crossing Rate by Minor Ligand Modifications in Cyclometalated Platinum(II) Complexes. <i>Inorganic Chemistry</i> , 2016, 55, 7457-7466.	4.0	44

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37	Î ² -ketoenole dyes: Synthesis and study as fluorescent sensors for protein amyloid aggregates. <i>Dyes and Pigments</i> , 2016, 132, 274-281.	3.7	10
38	Cyclometalated Iridium(III) Complexes Containing Semicarbazone Ligands: Synthesis, Characterization, Photophysical and Biological Studies. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015, 641, 1798-1802.	1.2	6
39	Synthesis and (spectro)electrochemistry of mixed-valent diferrocenylâ€“dihydrothiopyran derivatives. <i>Dalton Transactions</i> , 2015, 44, 6268-6276.	3.3	19
40	Luminescent rhenium(I)â€“chromone bioconjugate: Synthesis, photophysical properties, and confocal luminescence microscopy investigation. <i>Journal of Organometallic Chemistry</i> , 2015, 782, 124-130.	1.8	22
41	[Copper(phenanthroline)(bisisonitrile)] ⁺ -Complexes for the Visible-Light-Mediated Atom Transfer Radical Addition and Allylation Reactions. <i>ACS Catalysis</i> , 2015, 5, 5186-5193.	11.2	168
42	Diversity of Copper(I) Complexes Showing Thermally Activated Delayed Fluorescence: Basic Photophysical Analysis. <i>Inorganic Chemistry</i> , 2015, 54, 4322-4327.	4.0	168
43	Electric-field induced nonlinear optical materials based on a bipolar copper (I) complex embedded in polymer matrices. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 8394-8397.	2.2	8
44	TADF for singlet harvesting: next generation OLED materials based on brightly green and blue emitting Cu(I) and Ag(I) compounds. <i>Proceedings of SPIE</i> , 2014, . .	0.8	22
45	Brightly Luminescent Pt(II) Pincer Complexes with a Sterically Demanding Carboranyl-Phenylpyridine Ligand: A New Material Class for Diverse Optoelectronic Applications. <i>Journal of the American Chemical Society</i> , 2014, 136, 9637-9642.	13.7	165
46	Synthesis, Structure, and Spectroelectrochemistry of Ferrocenylâ€“Meldrumâ€™s Acid Donorâ€“Acceptor Systems. <i>Organometallics</i> , 2014, 33, 4697-4705.	2.3	18
47	Photophysical and biological characterization of new cationic cyclometalated M(III) complexes of rhodium and iridium. <i>Journal of Organometallic Chemistry</i> , 2014, 765, 46-52.	1.8	19
48	Luminescent diiridium(III) complex with a bridging biuretato ligand in unprecedented N,Nâ€™:O,Oâ€™ ² coordination. <i>Journal of Organometallic Chemistry</i> , 2013, 745-746, 341-346.	1.8	6
49	Synthesis and Molecular Structure of the New Green Emitting Complex [Ir ²⁺ (Î¼ ² -oxamidatoâ€“N¹,N²O²)(2â€“pâ€™toly)pyridinato) ₂]. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013, 639, 1090-1094.		
50	Luminescent goldâ€“silver complexes derived from neutral bis(perfluoroaryl)diphosphine gold(I) precursors. <i>Dalton Transactions</i> , 2013, 42, 4267.	3.3	17
51	Photophysical Properties of Cyclometalated Pt(II) Complexes: Counterintuitive Blue Shift in Emission with an Expanded Ligand Î€ System. <i>Inorganic Chemistry</i> , 2013, 52, 12403-12415.	4.0	143
52	Highly efficient thermally activated fluorescence of a new rigid Cu(I) complex [Cu(dmp)(phanephos)] ⁺ . <i>Dalton Transactions</i> , 2013, 42, 9826.	3.3	153
53	Singlet harvesting with brightly emitting Cu(I) and metal-free organic compounds. , 2012, , .		31
54	Blue-Light Emission of Cu(I) Complexes and Singlet Harvesting. <i>Inorganic Chemistry</i> , 2011, 50, 8293-8301.	4.0	410

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55	Synthesis, structure and photophysical properties of binuclear methylplatinum complexes containing cyclometalating 2-phenylpyridine or benzo[h]quinoline ligands: a comparison of intramolecular Pt ^{II} -Pt and Pt ^{II} -N interactions. Dalton Transactions, 2011, 40, 9123.	3.3	33
56	The triplet state of organo-transition metal compounds. Triplet harvesting and singlet harvesting for efficient OLEDs. Coordination Chemistry Reviews, 2011, 255, 2622-2652.	18.8	1,114
57	Triplet state properties of a red light emitting [Pt(s-thpy)(acac)] compound. Chemical Physics Letters, 2010, 486, 53-59.	2.6	24
58	The Lowest Excited State of Brightly Emitting Gold(I) Triphosphine Complexes. Inorganic Chemistry, 2010, 49, 3764-3767.	4.0	52
59	Photophysical properties of Re(pbt)(CO) ₄ studied by high resolution spectroscopy. Chemical Physics Letters, 2009, 468, 205-210.	2.6	20
60	Synthesis of Cyclometallated Platinum Complexes with Substituted Thienylpyridines and Detailed Characterization of Their Luminescence Properties. Inorganic Chemistry, 2009, 48, 4179-4189.	4.0	74
61	Observation of the distorted form of Pd-porphin in single site spectra at low temperatures. Journal of Luminescence, 2008, 128, 531-536.	3.1	10
62	Temperature-dependent phosphorescence spectra of Pd- and Pt-porphins and their applications. Journal of Porphyrins and Phthalocyanines, 2008, 12, 1201-1210.	0.8	8
63	Phosphorescence study of matrix effect on Pd-porphin macrocycle conformation. Proceedings of SPIE, 2007, , .	0.8	0
64	Re(I)(tricarbonyl) ⁺ complexes with the 2-(2-pyridyl)-N-methyl-benzimidazole, 2-(2-pyridyl)benzoxazole and 2-(2-pyridyl)benzothiazole ligands – syntheses, structures, electrochemical and spectroscopic studies. Inorganica Chimica Acta, 2005, 358, 2701-2710.	2.4	54
65	Re(I)(tricarbonyl) ⁺ complexes with anionic N ³⁻ thioxalato ligand. Inorganic Chemistry Communication, 2005, 8, 34-37.	3.9	8
66	A new cyclometalated rhenium(I) complex. Inorganic Chemistry Communication, 2005, 8, 1101-1104.	3.9	14
67	ReI(CO) ₃ +complexes with N ³⁻ bidentate ligands. Dalton Transactions RSC, 2002, , 3434-3441.	2.3	39
68	Monomeric and dimeric Re(I)(tricarbonyl)(8-quinolinato) complexes. Dalton Transactions RSC, 2001, , 2756-2761.	2.3	43
69	Radiative electron transfer in planar donor-acceptor quinoxaline derivatives. Chemical Physics Letters, 2000, 325, 589-598.	2.6	25
70	Cytotoxic Activities of Bis-cyclometalated Iridium(III) Complexes Containing Chloro-substituted N ² -terpyridines. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 0, , .	1.2	1