

Pi-Tai Chou

List of Publications by Year in descending order

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586
papers

35,679
citations

2795

94
h-index

7136

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docs citations

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times ranked

23676
citing authors

#	ARTICLE	IF	CITATIONS
1	Excimer Formation of Perylene Bisimide Dyes within Stacking-Restrained Folda-Dimers: Insight into Anomalous Temperature Responsive Dual Fluorescence. <i>CCS Chemistry</i> , 2022, 4, 1949-1960.	4.6	15
2	Fabrication of Circularly Polarized MRâ€TADF Emitters with Asymmetrical Peripheralâ€Lock Enhancing Helical B/Nâ€Doped Nanographenes. <i>Advanced Materials</i> , 2022, 34, e2105080.	11.1	112
3	Combined fluorophore and phosphor conjugation: a new design concept for simultaneous and spatially localized dual lifetime intracellular sensing of oxygen and pH. <i>Chemical Communications</i> , 2022, 58, 419-422.	2.2	10
4	Energy Counterbalance to Harness Photoinduced Structural Planarization of Dibenzo[<i>b,f</i>]azepines toward Thermal Reversibility. <i>Journal of the American Chemical Society</i> , 2022, 144, 1748-1757.	6.6	15
5	Fabrication of Circularly Polarized MRâ€TADF Emitters with Asymmetrical Peripheralâ€Lock Enhancing Helical B/Nâ€Doped Nanographenes (Adv. Mater. 1/2022). <i>Advanced Materials</i> , 2022, 34, .	11.1	1
6	A new approach exploiting thermally activated delayed fluorescence molecules to optimize solar thermal energy storage. <i>Nature Communications</i> , 2022, 13, 797.	5.8	18
7	Multiple Emission of Phosphonium Fluorophores Harnessed by the Pathways of Photoinduced Counterion Migration. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	5
8	Comment on â€Metalâ€Free Triplet Phosphors with High Emission Efficiency and High Tunabilityâ€. <i>Angewandte Chemie - International Edition</i> , 2022, , e202109224.	7.2	1
9	Influence of charge transfer strength on emission bandwidth for multiple-resonance emitters <i>via</i> systematically tuning the acceptorâ€donor assembly. <i>Journal of Materials Chemistry C</i> , 2022, 10, 7866-7874.	2.7	16
10	Iridium(III) Phosphorsâ€Bearing Functional 9â€Phenylâ€7,9â€dihydroâ€8Hâ€purinâ€8â€Cylidene Chelates and Blue Hyperphosphorescent OLED Devices. <i>Advanced Photonics Research</i> , 2022, 3, .	1.7	23
11	Modulation of Perovskite Grain Boundaries by Electron Donorâ€Acceptor Zwitterions <i>R</i>, <i>R</i>-Diphenylamino-phenyl-pyridinium-(CH ₂) _n -sulfonates: All-Round Improvement on the Solar Cell Performance. <i>Jacs Au</i> , 2022, 2, 1189-1199.	3.6	8
12	Reducing the internal reorganization energy <i>via</i> symmetry controlled ï€-electron delocalization. <i>Chemical Science</i> , 2022, 13, 7181-7189.	3.7	14
13	Optically Encodable and Erasable Multilevel Nonvolatile Flexible Memory Device Based on Metalâ€Organic Frameworks. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 26895-26903.	4.0	7
14	Cationic Organophosphorus Chromophores: A Diamond in the Rough among Ionic Dyes. <i>Chemistry - A European Journal</i> , 2021, 27, 537-552.	1.7	20
15	Fluorescent Chromophores Containing the Nitro Group: Relatively Unexplored Emissive Properties. <i>ChemPlusChem</i> , 2021, 86, 11-27.	1.3	62
16	Counterion Migration Driven by Light-Induced Intramolecular Charge Transfer. <i>Jacs Au</i> , 2021, 1, 282-293.	3.6	14
17	Through-Space Exciton Delocalization in Segregated HJ-Crystalline Molecular Aggregates. <i>Journal of Physical Chemistry A</i> , 2021, 125, 943-953.	1.1	7
18	Broadening the Horizon of the Bellâ€Evansâ€Polanyi Principle towards Optically Triggered Structure Planarization. <i>Angewandte Chemie</i> , 2021, 133, 7281-7288.	1.6	4

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19	Curcumin-loaded mesoporous silica nanoparticles with dual-imaging and temperature control inhibits the infection of Zika virus. <i>Microporous and Mesoporous Materials</i> , 2021, 314, 110886.	2.2	11
20	Vertical 2D/3D Heterojunction of Tin Perovskites for Highly Efficient HTM-Free Perovskite Solar Cell. <i>ACS Applied Energy Materials</i> , 2021, 4, 2041-2048.	2.5	26
21	Broadening the Horizon of the Bellâ€“Evansâ€“Polanyi Principle towards Optically Triggered Structure Planarization. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7205-7212.	7.2	18
22	A Universal Approach for Controllable Synthesis of <i>n</i> -Specific Layered 2D Perovskite Nanoplates. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7866-7872.	7.2	24
23	Rational Tuning of Bis-Tridentate Ir(III) Phosphors to Deep-Blue with High Efficiency and Sub-microsecond Lifetime. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 15437-15447.	4.0	34
24	A Universal Approach for Controllable Synthesis of <i>n</i> -Specific Layered 2D Perovskite Nanoplates. <i>Angewandte Chemie</i> , 2021, 133, 7945-7951.	1.6	6
25	Boost reactivity of tri-iodide reduction electrode by highly faceted octahedral PtNi nanocrystals. <i>Journal of Catalysis</i> , 2021, 396, 297-303.	3.1	5
26	Cyano Derivatives of 7- <i>A</i> -Aminoquinoline That Are Highly Emissive in Water: Potential for Sensing Applications. <i>Chemistry - A European Journal</i> , 2021, 27, 8040-8047.	1.7	2
27	A New Molecular Recognition Concept: Multiple Hydrogen Bonds and Their Optically Triggered Proton Transfer in Confined Metalâ€“Organic Frameworks for Superior Sensing Element. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 22457-22465.	4.0	19
28	New [2,2]Fluorenophanes Give Insights into Asymmetric Charge Transferâ€“Mediated Exciton Delocalization along the π - π Packing Direction. <i>Chemistry - A European Journal</i> , 2021, 27, 8678-8683.	1.7	3
29	Luminescence of Pyrazinyl Pyrazolate Pt(II) Complexes Fine-Tuned by the Solid-State Stacking Interaction. <i>Energy & Fuels</i> , 2021, 35, 19112-19122.	2.5	11
30	Correlation between Kinetics and Thermodynamics for Excited-State Intramolecular Proton Transfer Reactions. <i>Journal of Physical Chemistry A</i> , 2021, 125, 6611-6620.	1.1	9
31	Chapter Open for the Excited-State Intramolecular Thiol Proton Transfer in the Room-Temperature Solution. <i>Journal of the American Chemical Society</i> , 2021, 143, 12715-12724.	6.6	51
32	The Observation of Interchain Motion in Self-Assembled Crystalline Platinum(II) Complexes: An Exquisite Case but By No Means the Only One in Molecular Solids. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 7482-7489.	2.1	3
33	Tuning the Circular Dichroism and Circular Polarized Luminescence Intensities of Chiral 2D Hybrid Organicâ€“Inorganic Perovskites through Halogenation of the Organic Ions. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 21434-21440.	7.2	72
34	Functionalizing Collagen with Vesselâ€“Penetrating Twoâ€“Photon Phosphorescence Probes: A New In Vivo Strategy to Map Oxygen Concentration in Tumor Microenvironment and Tissue Ischemia. <i>Advanced Science</i> , 2021, 8, e2102788.	5.6	5
35	Tuning the Circular Dichroism and Circular Polarized Luminescence Intensities of Chiral 2D Hybrid Organicâ€“Inorganic Perovskites through Halogenation of the Organic Ions. <i>Angewandte Chemie</i> , 2021, 133, 21604-21610.	1.6	13
36	Alloy Nanostructured Catalysts for Cathodic Reactions in Energy Conversion and Fuel Generation. <i>Energy & Fuels</i> , 2021, 35, 18857-18870.	2.5	8

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37	Can Nanocavities Significantly Enhance Resonance Energy Transfer in a Single Donor–Acceptor Pair? <i>Journal of Physical Chemistry C</i> , 2021, 125, 18119-18128.	1.5	21
38	The role of host–guest interactions in organic emitters employing MR-TADF. <i>Nature Photonics</i> , 2021, 15, 780-786.	15.6	118
39	High efficiency green InP quantum dot light-emitting diodes by balancing electron and hole mobility. <i>Communications Materials</i> , 2021, 2, .	2.9	58
40	Lifetime oxygen sensors based on block copolymer micelles and non-covalent human serum albumin adducts bearing phosphorescent near-infrared iridium(III) complex. <i>European Polymer Journal</i> , 2021, 159, 110761.	2.6	6
41	Why triage materials with low luminescence quantum efficiency: the use of 35Cbz4BzCN as a universal host for organic light emitting diodes through effective triplet energy transfer. <i>Journal of Materials Chemistry C</i> , 2021, 9, 2381-2391.	2.7	3
42	Tailoring C-6-Substituted Coumarin Scaffolds for Novel Photophysical Properties and Stimuli-Responsive Chromism. <i>Journal of Physical Chemistry B</i> , 2021, 125, 11557-11565.	1.2	6
43	Probing Electron Excitation Characters of Carboline-Based Bis-Tridentate Ir(III) Complexes. <i>Molecules</i> , 2021, 26, 6048.	1.7	3
44	Diindenyl[2,1-b:1'-3']biphenylenes: Syntheses, Structural Analyses, and Properties. <i>Organic Letters</i> , 2021, 23, 8794-8798.	2.4	5
45	Orthogonal carbazole-perylene bisimide pentad: a photoconversion-tunable photosensitizer with diversified excitation and excited-state relaxation pathways. <i>Science China Chemistry</i> , 2021, 64, 2193-2202.	4.2	12
46	Homoleptic Ir(III) Phosphors with 2-Phenyl-1,2,4-triazol-3-ylidene Chelates for Efficient Blue Organic Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 59023-59034.	4.0	23
47	Unveiling the structural features of nonnative trimers of human superoxide dismutase 1. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020, 1864, 129483.	1.1	5
48	Harnessing a New Co-Host System and Low Concentration of New TADF Emitters Equipped with Trifluoromethyl- and Cyano-Substituted Benzene as Core for High-Efficiency Blue OLEDs. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 2724-2732.	4.0	23
49	Roles of Ancillary Chelates and Overall Charges of Bis-tridentate Ir(III) Phosphors for OLED Applications. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 1084-1093.	4.0	31
50	Thermal and angular dependence of next-generation photovoltaics under indoor lighting. <i>Progress in Photovoltaics: Research and Applications</i> , 2020, 28, 111-121.	4.4	13
51	Diversified Excited-State Relaxation Pathways of Donor–Linker–Acceptor Dyads Controlled by a Bent–Planar Motion of the Donor. <i>Angewandte Chemie</i> , 2020, 132, 18770-18777.	1.6	2
52	[2,2](5,8)Picenophanedienes: Syntheses, Structural Analyses, Molecular Dynamics, and Reversible Intramolecular Structure Conversion. <i>Journal of the American Chemical Society</i> , 2020, 142, 20351-20358.	6.6	12
53	Interlayer Charge Transfer Coupled with Acoustic Phonon in Organic/Inorganic van der Waals Stacked Heterostructures: Self-Assembled Pt(II) Complex on a PtSe ₂ Monolayer. <i>Journal of Physical Chemistry C</i> , 2020, 124, 25538-25546.	1.5	3
54	Could Chemical Reaction at the Molecular Level Show Distinction between Two Liquid-Water States? Study of the Excited-State Water-Catalyzed Proton Transfer Reaction Provides a Clue. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 9468-9475.	2.1	6

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55	Excited-state intramolecular proton transfer in the kinetic-control regime. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 22271-22278.	1.3	42
56	The distinct O ₂ quenching mechanism between fluorescence and phosphorescence for dyes adsorbed on silica gel. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 27144-27156.	1.3	5
57	New exciplex systems composed of triazatruxene donors and N-heteroarene-cored acceptors. <i>Materials Chemistry Frontiers</i> , 2020, 4, 2029-2039.	3.2	25
58	Fluorescence Probes Exhibit Photoinduced Structural Planarization: Sensing In Vitro and In Vivo Microscopic Dynamics of Viscosity Free from Polarity Interference. <i>ACS Chemical Biology</i> , 2020, 15, 1862-1873.	1.6	28
59	Highly Efficient Near-Infrared Electroluminescence up to 800 nm Using Platinum(II) Phosphors. <i>Advanced Functional Materials</i> , 2020, 30, 2002173.	7.8	57
60	Versatile Pt(II) Pyrazolate Complexes: Emission Tuning via Interplay of Chelate Designs and Stacking Assemblies. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 16679-16690.	4.0	22
61	Insights into energy transfer pathways between the exciplex host and fluorescent guest: attaining highly efficient 710 nm electroluminescence. <i>Journal of Materials Chemistry C</i> , 2020, 8, 5704-5714.	2.7	15
62	Tuning Electron-Withdrawing Strength on Phenothiazine Derivatives: Achieving 100% Photoluminescence Quantum Yield by NO ₂ Substitution. <i>Chemistry - A European Journal</i> , 2020, 26, 7124-7130.	1.7	25
63	Highly Emissive Dinuclear Platinum(III) Complexes. <i>Journal of the American Chemical Society</i> , 2020, 142, 7469-7479.	6.6	76
64	Overcoming the energy gap law in near-infrared OLEDs by exciton-vibration decoupling. <i>Nature Photonics</i> , 2020, 14, 570-577.	15.6	237
65	Diversified Excited-State Relaxation Pathways of Donor-Linker-Acceptor Dyads Controlled by a Bent-Planar Motion of the Donor. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 18611-18618.	7.2	20
66	Perylene Bisimide and Naphthyl-Based Molecular Dyads: Hydrogen Bonds Driving Co-planarization and Anomalous Temperature-Response Fluorescence. <i>Angewandte Chemie</i> , 2020, 132, 8657-8663.	1.6	4
67	Methoxy substituents activated carbazole-based boron dimesityl TADF emitters. <i>Journal of Materials Chemistry C</i> , 2020, 8, 4780-4788.	2.7	28
68	Perylene Bisimide and Naphthyl-Based Molecular Dyads: Hydrogen Bonds Driving Co-planarization and Anomalous Temperature-Response Fluorescence. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8579-8585.	7.2	27
69	Control of π - π stacking in carbazole-benzimidazo[1,2- <i>f</i>]phenanthridines: the design of electron-transporting bipolar hosts for phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2020, 8, 3571-3579.	2.7	12
70	Delayed Charge Recombination by Open-Shell Organics: Its Application in Achieving Superb Photodetectors with Broadband (400-1160 nm) Ultrahigh Sensitivity and Stability. <i>Advanced Optical Materials</i> , 2020, 8, 1902179.	3.6	7
71	Validated Analysis of Component Distribution Inside Perovskite Solar Cells and Its Utility in Unveiling Factors of Device Performance and Degradation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 22730-22740.	4.0	20
72	Exploiting racemism enhanced organic room-temperature phosphorescence to demonstrate Wallach's rule in the lighting chiral chromophores. <i>Nature Communications</i> , 2020, 11, 2145.	5.8	70

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73	How an Eight-Membered Ring Alters the Rhodamine Chromophore. <i>Journal of Organic Chemistry</i> , 2020, 85, 5973-5980.	1.7	0
74	Toward the Rational Design of Universal Dual Polarity Matrix for MALDI Mass Spectrometry. <i>Analytical Chemistry</i> , 2020, 92, 7139-7145.	3.2	19
75	Superior Stability and Emission Quantum Yield (23% \pm 3%) of Single-Layer 2D Tin Perovskite TEA ₂ Sn ₄ via Thiocyanate Passivation. <i>Small</i> , 2020, 16, e2000903.	5.2	19
76	Low-toxicity FePt nanoparticles for the targeted and enhanced diagnosis of breast tumors using few centimeters deep whole-body photoacoustic imaging. <i>Photoacoustics</i> , 2020, 19, 100179.	4.4	15
77	A Facile Molecular Machine: Optically Triggered Counterion Migration by Charge Transfer of Linear Donor-Acceptor Phosphonium Fluorophores. <i>Angewandte Chemie</i> , 2019, 131, 13590-13599.	1.6	9
78	A Facile Molecular Machine: Optically Triggered Counterion Migration by Charge Transfer of Linear Donor-Acceptor Phosphonium Fluorophores. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13456-13465.	7.2	47
79	Phenothiazine Scope: Steric Strain Induced Planarization and Excimer Formation. <i>Angewandte Chemie</i> , 2019, 131, 13431-13435.	1.6	12
80	Phenothiazine Scope: Steric Strain Induced Planarization and Excimer Formation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13297-13301.	7.2	40
81	Bending-Type Electron Donor-Acceptor Triad: Dual Excited-State Charge-Transfer Coupled Structural Relaxation. <i>Chemistry of Materials</i> , 2019, 31, 5981-5992.	3.2	55
82	Mono-Heteroatom Substitution for Harnessing Excited-State Structural Planarization of Dihydrodibenzo[a,c]phenazines. <i>Chemistry - A European Journal</i> , 2019, 25, 16755-16764.	1.7	13
83	Catalytic-Type Excited-State N-H Proton-Transfer Reaction in 7-Aminoquinoline and Its Derivatives. <i>Chemistry - A European Journal</i> , 2019, 25, 14972-14982.	1.7	13
84	Near-Infrared Emission Induced by Shortened Pt-Pt Contact: Diplatinum(II) Complexes with Pyridyl Pyrimidinato Cyclometalates. <i>Inorganic Chemistry</i> , 2019, 58, 13892-13901.	1.9	40
85	Ratiometric Tuning of Luminescence: Interplay between the Locally Excited and Interligand Charge-Transfer States in Pyrazolate-Based Boron Compounds. <i>Journal of Physical Chemistry C</i> , 2019, 123, 4022-4028.	1.5	19
86	Mechanochromism induced through the interplay between excimer reaction and excited state intramolecular proton transfer. <i>Communications Chemistry</i> , 2019, 2, .	2.0	28
87	Harnessing Dielectric Confinement on Tin Perovskites to Achieve Emission Quantum Yield up to 21%. <i>Journal of the American Chemical Society</i> , 2019, 141, 10324-10330.	6.6	76
88	Polystyrene with Persistently Enhanced Fluorescence: Photo-Induced Atom Transfer Radical Polymerization Using a Pyrene-Based Initiator. <i>ChemPhotoChem</i> , 2019, 3, 1153-1161.	1.5	3
89	Sulfur-Based Intramolecular Hydrogen-Bond: Excited-State Hydrogen-Bond On/Off Switch with Dual Room-Temperature Phosphorescence. <i>Journal of the American Chemical Society</i> , 2019, 141, 9885-9894.	6.6	81
90	Cross-linkable hole transporting layers boost operational stability of high-performance quantum dot light-emitting device. <i>Organic Electronics</i> , 2019, 71, 206-211.	1.4	13

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91	Functional Pyrimidinyl Pyrazolate Pt(II) Complexes: Role of Nitrogen Atom in Tuning the Solid-State Stacking and Photophysics. <i>Advanced Functional Materials</i> , 2019, 29, 1900923.	7.8	56
92	Enhancing the Catalytic Activity of Tri-iodide Reduction by Tuning the Surface Electronic Structure of PtPd Alloy Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2019, 123, 12722-12729.	1.5	7
93	Designed Conformation and Fluorescence Properties of Self-Assembled Phenazine-Cored Platinum(II) Metallacycles. <i>Journal of the American Chemical Society</i> , 2019, 141, 5535-5543.	6.6	73
94	In vivo imaging of insulin-secreting human pancreatic ductal cells using MRI reporter gene technique: A feasibility study. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 763-774.	1.9	7
95	Low Internal Reorganization Energy of the Metal-to-Ligand Charge Transfer Emission in Dimeric Pt(II) Complexes. <i>Journal of Physical Chemistry C</i> , 2019, 123, 10225-10236.	1.5	36
96	Diindeno-fused Dibenzo[a , h]anthracene and Dibenzo[c , l]chrysene: Syntheses, Structural Analyses, and Properties. <i>Chemistry - A European Journal</i> , 2019, 25, 7280-7284.	1.7	6
97	Intramolecular Phosphacyclization: Polyaromatic Phosphonium Heterocycles with Wide Tuning Optical Properties. <i>Chemistry - A European Journal</i> , 2019, 25, 6332-6341.	1.7	38
98	Reactions of Cyclometalated Platinum(II) [Pt(N ⁺ C)(PR ₃)Cl] Complexes with Imidazole and Imidazole-Containing Biomolecules: Fine-Tuning of Reactivity and Photophysical Properties via Ligand Design. <i>Inorganic Chemistry</i> , 2019, 58, 204-217.	1.9	26
99	The Cyclic Hydrogen-Bonded 6-Azaindole Trimer and its Prominent Excited-State Triple-Proton-Transfer Reaction. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5020-5024.	7.2	11
100	Excited-State Proton Transfer in 3-Cyano-7-azaindole: From Aqueous Solution to Ice. <i>Journal of Physical Chemistry A</i> , 2018, 122, 2479-2484.	1.1	8
101	Luminescent Iridium Complexes with Bridging Pyrazolates: Characterization and Fabrication of OLEDs Using Vacuum Thermal Deposition. <i>Advanced Optical Materials</i> , 2018, 6, 1800083.	3.6	34
102	Syntheses and Excited-State Intramolecular Proton Transfer of 3-Hydroxythioflavone and Its Sulfone Analogue. <i>ChemPhotoChem</i> , 2018, 2, 475-480.	1.5	16
103	The Cyclic Hydrogen-Bonded 6-Azaindole Trimer and its Prominent Excited-State Triple-Proton-Transfer Reaction. <i>Angewandte Chemie</i> , 2018, 130, 5114-5118.	1.6	3
104	Solar Cells: PtCoFe Nanowire Cathodes Boost Short-Circuit Currents of Ru(II)-Based Dye-Sensitized Solar Cells to a Power Conversion Efficiency of 12.29% (Adv. Funct. Mater. 3/2018). <i>Advanced Functional Materials</i> , 2018, 28, 1870020.	7.8	0
105	Unveiling the water-associated conformational mobility in the active site of ascorbate peroxidase. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 451-459.	1.1	5
106	Strongly Coupled Tin-Halide Perovskites to Modulate Light Emission: Tunable 550-640 nm Light Emission (FWHM 36-80 nm) with a Quantum Yield of up to 6.4%. <i>Advanced Materials</i> , 2018, 30, e1706592.	11.1	51
107	Optically Triggered Planarization of Boryl-Substituted Phenoxazine: Another Horizon of TADF Molecules and High-Performance OLEDs. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 12886-12896.	4.0	75
108	PtCoFe Nanowire Cathodes Boost Short-Circuit Currents of Ru(II)-Based Dye-Sensitized Solar Cells to a Power Conversion Efficiency of 12.29%. <i>Advanced Functional Materials</i> , 2018, 28, 1703282.	7.8	55

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109	Engineered core-shell magnetic nanoparticle for MR dual-modal tracking and safe magnetic manipulation of ependymal cells in live rodents. <i>Nanotechnology</i> , 2018, 29, 015102.	1.3	5
110	The influence of tetraphenylethylene moieties on the emissive properties of dipyrrolonaphthyridinediones. <i>Journal of Materials Chemistry C</i> , 2018, 6, 12306-12313.	2.7	7
111	Dendrimer- and copolymer-based nanoparticles for magnetic resonance cancer theranostics. <i>Theranostics</i> , 2018, 8, 6322-6349.	4.6	76
112	5,14-Diaryldiindeno[2,1-f:1,2'-j]picene: A New Stable [7]Helicene with a Partial Biradical Character. <i>Journal of the American Chemical Society</i> , 2018, 140, 14357-14366.	6.6	81
113	Detecting Glucose Levels in Blood Plasma and Artificial Tear by Au(I) Complex on the Carbopol Polymer: A Microfluidic Paper-Based Method. <i>Polymers</i> , 2018, 10, 1001.	2.0	11
114	Correlation among Hydrogen Bond, Excited-State Intramolecular Proton-Transfer Kinetics and Thermodynamics for $\hat{\alpha}$ OH Type Proton-Donor Molecules. <i>Journal of Physical Chemistry C</i> , 2018, 122, 21833-21840.	1.5	49
115	The azatryptophan-based fluorescent platform for in vitro rapid screening of inhibitors disrupting IKK β -NEMO interaction. <i>Bioorganic Chemistry</i> , 2018, 81, 504-511.	2.0	4
116	Blue-emitting bis-tridentate Ir(III) phosphors: OLED performances vs. substituent effects. <i>Journal of Materials Chemistry C</i> , 2018, 6, 10486-10496.	2.7	20
117	Isomeric spiro-[acridine-9,9'-fluorene]-2,6-dipyridylpyrimidine based TADF emitters: insights into photophysical behaviors and OLED performances. <i>Journal of Materials Chemistry C</i> , 2018, 6, 10088-10100.	2.7	46
118	A silver metal complex as a luminescent probe for enzymatic sensing of glucose in blood plasma and urine. <i>Dalton Transactions</i> , 2018, 47, 8346-8355.	1.6	14
119	Metalated Ir(III) Complexes Based on the Luminescent Diimine Ligands: Synthesis and Photophysical Study. <i>Inorganic Chemistry</i> , 2018, 57, 6853-6864.	1.9	16
120	Revisiting Dual Intramolecular Charge-Transfer Fluorescence of Phenothiazine-triphenyltriazine Derivatives. <i>Journal of Physical Chemistry C</i> , 2018, 122, 12215-12221.	1.5	51
121	Iridium(III) Complexes Bearing Tridentate Chromophoric Chelate: Phosphorescence Fine-Tuned by Phosphine and Hydride Ancillary. <i>Inorganic Chemistry</i> , 2018, 57, 8287-8298.	1.9	21
122	Amino proton donors in excited-state intramolecular proton-transfer reactions. <i>Nature Reviews Chemistry</i> , 2018, 2, 131-143.	13.8	151
123	Bis-tridentate Iridium(III) Phosphors with Very High Photostability and Fabrication of Blue-emitting OLEDs. <i>Advanced Science</i> , 2018, 5, 1800846.	5.6	75
124	Probe exciplex structure of highly efficient thermally activated delayed fluorescence organic light emitting diodes. <i>Nature Communications</i> , 2018, 9, 3111.	5.8	112
125	Tuning the Conformation and Color of Conjugated Polyheterocyclic Skeletons by Installing ortho-Methyl Groups. <i>Angewandte Chemie</i> , 2018, 130, 10028-10032.	1.6	17
126	Water-soluble cyclometalated platinum(II) and iridium(III) complexes: synthesis, tuning of the photophysical properties, and in vitro and in vivo phosphorescence lifetime imaging. <i>RSC Advances</i> , 2018, 8, 17224-17236.	1.7	28

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127	Improvement of the Photophysical Performance of Platinum-Cyclometalated Complexes in Halogen-Bonded Adducts. <i>Chemistry - A European Journal</i> , 2018, 24, 11475-11484.	1.7	39
128	Tuning the Conformation and Color of Conjugated Polyheterocyclic Skeletons by Installing <i>ortho</i> -Methyl Groups. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9880-9884.	7.2	77
129	Snapshotting the Excited-State Planarization of Chemically Locked <i>N,N</i> -Disubstituted Dihydrodibenzo[<i>a,c</i>]phenazines. <i>Journal of the American Chemical Society</i> , 2017, 139, 1636-1644.	6.6	124
130	Efficient thermally activated delayed fluorescence of functional phenylpyridinato boron complexes and high performance organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2017, 5, 1452-1462.	2.7	65
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140	Breaking the Kasha Rule for More Efficient Photochemistry. <i>Chemical Reviews</i> , 2017, 117, 13353-13381.	23.0	285
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142	Copper-mediated phospho-annulation to attain water-soluble polycyclic luminophores. <i>Chemical Communications</i> , 2017, 53, 10954-10957.	2.2	21
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144	Sky Blue-Emitting Iridium(III) Complexes Bearing Nonplanar Tetradentate Chromophore and Bidentate Ancillary. <i>Inorganic Chemistry</i> , 2017, 56, 10054-10060.	1.9	28

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146	Entropy-based time-varying window width selection for nonlinear-type time-frequency analysis. <i>International Journal of Data Science and Analytics</i> , 2017, 3, 231-245.	2.4	32
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183	Zethrene and Dibenzozethrene: Masked Biradical Molecules?. <i>Angewandte Chemie</i> , 2015, 127, 3112-3116.	1.6	11
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