Pi-Tai Chou

List of Publications by Citations

581 papers	30,555 citations	88 h-index	142 g-index
614 ext. papers	33,141 ext. citations	7.9 avg, IF	7.22 L-index

#	Paper	IF	Citations
581	Transition-metal phosphors with cyclometalating ligands: fundamentals and applications. *Chemical Society Reviews*, **2010**, 39, 638-55	58.5	1098
580	Phosphorescent dyes for organic light-emitting diodes. *Chemistry - A European Journal*, **2007**, 13, 380-95	4.8	700
579	Excited-state proton coupled charge transfer modulated by molecular structure and media polarization. *Chemical Society Reviews*, **2013**, 42, 1379-408	58.5	482
578	Fine tuning the energetics of excited-state intramolecular proton transfer (ESIPT): white light generation in a single ESIPT system. *Journal of the American Chemical Society*, **2011**, 133, 17738-45	16.4	457
577	2,3-Disubstituted Thiophene-Based Organic Dyes for Solar Cells. *Chemistry of Materials*, **2008**, 20, 1830-1840	9.4	382
576	Blue-emitting heteroleptic iridium(III) complexes suitable for high-efficiency phosphorescent OLEDs. *Angewandte Chemie - International Edition*, **2007**, 46, 2418-21	16.4	377
575	Highly efficient blue-emitting iridium(III) carbene complexes and phosphorescent OLEDs. *Angewandte Chemie - International Edition*, **2008**, 47, 4542-5	16.4	358
574	Insulin-directed synthesis of fluorescent gold nanoclusters: preservation of insulin bioactivity and versatility in cell imaging. *Angewandte Chemie - International Edition*, **2011**, 50, 7056-60	16.4	357
573	Near-infrared organic light-emitting diodes with very high external quantum efficiency and radiance. *Nature Photonics*, **2017**, 11, 63-68	33.9	346
572	Highly Efficient Red Electrophosphorescent Devices Based on Iridium Isoquinoline Complexes: Remarkable External Quantum Efficiency Over a Wide Range of Current. *Advanced Materials*, **2003**, 15, 884-888	24	333
571	Prominent Short-Circuit Currents of Fluorinated Quinoxaline-Based Copolymer Solar Cells with a Power Conversion Efficiency of 8.0%. *Chemistry of Materials*, **2012**, 24, 4766-4772	9.6	315
570	Facile synthesis of highly emissive carbon dots from pyrolysis of glycerol; gram scale production of carbon dots/mSiO2 for cell imaging and drug release. *Journal of Materials Chemistry*, **2012**, 22, 14403		283
569	Recent experimental advances on excited-state intramolecular proton coupled electron transfer reaction. *Accounts of Chemical Research*, **2010**, 43, 1364-74	24.3	282
568	Systematic investigation of the metal-structure-photophysics relationship of emissive d10-complexes of group 11 elements: the prospect of application in organic light emitting devices. *Journal of the American Chemical Society*, **2011**, 133, 12085-99	16.4	272
567	Iridium(III) complexes with orthometalated quinoxaline ligands: subtle tuning of emission to the saturated red color. *Inorganic Chemistry*, **2005**, 44, 1344-53	5.1	262
566	Harvesting luminescence via harnessing the photophysical properties of transition metal complexes. *Coordination Chemistry Reviews*, **2011**, 255, 2653-2665	23.2	251
565	Contemporary progresses on neutral, highly emissive Os(II) and Ru(II) complexes. *Chemical Society Reviews*, **2007**, 36, 1421-31	58.5	241

564	Multifunctional Deep-Blue Emitter Comprising an Anthracene Core and Terminal Triphenylphosphine Oxide Groups. *Advanced Functional Materials*, **2009**, 19, 560-566	15.6	221
563	Iridium-complex-functionalized Fe3O4/SiO2 core/shell nanoparticles: a facile three-in-one system in magnetic resonance imaging, luminescence imaging, and photodynamic therapy. *Small*, **2008**, 4, 218-24	11	216
562	Osmium- and Ruthenium-Based Phosphorescent Materials: Design, Photophysics, and Utilization in OLED Fabrication. *European Journal of Inorganic Chemistry*, **2006**, 2006, 3319-3332	2.3	214
561	Heteroleptic cyclometalated iridium(III) complexes displaying blue phosphorescence in solution and solid state at room temperature. *Inorganic Chemistry*, **2005**, 44, 7770-80	5.1	203
560	Bis-Tridentate Ir(III) Complexes with Nearly Unitary RGB Phosphorescence and Organic Light-Emitting Diodes with External Quantum Efficiency Exceeding 31%. *Advanced Materials*, **2016**, 28, 2795-800	24	199
559	Excited-State Conformational/Electronic Responses of Saddle-Shaped N,N′-Disubstituted-Dihydrodibenzo[a,c]phenazines: Wide-Tuning Emission from Red to Deep Blue and White Light Combination. *Journal of the American Chemical Society*, **2015**, 137, 8509-20	16.4	196
558	Breaking the Kasha Rule for More Efficient Photochemistry. *Chemical Reviews*, **2017**, 117, 13353-13381	68.1	192
557	Ruthenium(II) sensitizers with heteroleptic tridentate chelates for dye-sensitized solar cells. *Angewandte Chemie - International Edition*, **2011**, 50, 2054-8	16.4	189
556	Simple organic molecules bearing a 3,4-ethylenedioxythiophene linker for efficient dye-sensitized solar cells. *Chemical Communications*, **2008**, 5152-4	5.8	187
555	En Route to High External Quantum Efficiency (~12%), Organic True-Blue-Light-Emitting Diodes Employing Novel Design of Iridium (III) Phosphors. *Advanced Materials*, **2009**, 21, 2221-2225	24	186
554	A Bipolar Host Material Containing Triphenylamine and Diphenylphosphoryl-Substituted Fluorene Units for Highly Efficient Blue Electrophosphorescence. *Advanced Functional Materials*, **2009**, 19, 2834-2843	15.6	185
553	Excited-State Intramolecular Proton Transfer in 10-Hydroxybenzo[h]quinoline. *Journal of Physical Chemistry A*, **2001**, 105, 1731-1740	2.8	185
552	Ortho green fluorescence protein synthetic chromophore; excited-state intramolecular proton transfer via a seven-membered-ring hydrogen-bonding system. *Journal of the American Chemical Society*, **2007**, 129, 4534-5	16.4	183
551	The first tandem, all-exciplex-based WOLED. *Scientific Reports*, **2014**, 4, 5161	4.9	181
550	Platinum(II) complexes with pyridyl azolate-based chelates: synthesis, structural characterization, and tuning of photo- and electrophosphorescence. *Inorganic Chemistry*, **2006**, 45, 137-46	5.1	167
549	Harnessing Excited-State Intramolecular Proton-Transfer Reaction via a Series of Amino-Type Hydrogen-Bonding Molecules. *Journal of Physical Chemistry Letters*, **2015**, 6, 1477-86	6.4	165
548	The empirical correlation between size and two-photon absorption cross section of CdSe and CdTe quantum dots. *Small*, **2006**, 2, 1308-13	11	162
547	Potassium ion recognition by 15-crown-5 functionalized CdSe/ZnS quantum dots in H2O. *Chemical Communications*, **2006**, 263-5	5.8	157

546	Highly Efficient Red Phosphorescent Osmium(II) Complexes for OLED Applications. *Organometallics*, **2004**, 23, 3745-3748	3.8	155
545	In Search of High-Performance Platinum(II) Phosphorescent Materials for the Fabrication of Red Electroluminescent Devices. *Advanced Functional Materials*, **2005**, 15, 223-229	15.6	155
544	Bright and Efficient, Non-Doped, Phosphorescent Organic Red-Light-Emitting Diodes. *Advanced Functional Materials*, **2004**, 14, 1221-1226	15.6	154
543	Organic Light-Emitting Diodes based on Charge-Neutral RuII Phosphorescent Emitters. *Advanced Materials*, **2005**, 17, 1059-1064	24	153
542	Excited-state intramolecular proton transfer in five-membered hydrogen-bonding systems: 2-pyridyl pyrazoles. *Journal of the American Chemical Society*, **2003**, 125, 10800-1	16.4	149
541	Efficient red-emitting cyclometalated Iridium(III) complexes containing lepidine-based ligands. *Inorganic Chemistry*, **2005**, 44, 5677-85	5.1	147
540	Excited-State Amine□mine Double Proton Transfer in 7-Azaindoline. *Journal of Physical Chemistry B*, **2000**, 104, 7818-7829	3.4	147
539	Highly efficient bilayer interface exciplex for yellow organic light-emitting diode. *ACS Applied Materials & Interfaces*, **2013**, 5, 6826-31	9.5	143
538	Pyridyl Pyrrolide Boron Complexes: The Facile Generation of Thermally Activated Delayed Fluorescence and Preparation of Organic Light-Emitting Diodes. *Angewandte Chemie - International Edition*, **2016**, 55, 3017-21	16.4	142
537	Yellow and Red Electrophosphors Based on Linkage Isomers of Phenylisoquinolinyliridium Complexes: Distinct Differences in Photophysical and Electroluminescence Properties. *Advanced Functional Materials*, **2005**, 15, 387-395	15.6	141
536	Extensive spectral tuning of the proton transfer emission from 550 to 675 nm via a rational derivatization of 10-hydroxybenzo[h]quinoline. *Chemical Communications*, **2006**, 4395-7	5.8	137
535	Balance the Carrier Mobility To Achieve High Performance Exciplex OLED Using a Triazine-Based Acceptor. *ACS Applied Materials & Interfaces*, **2016**, 8, 4811-8	9.5	135
534	Carbon nanoparticle-enhanced immunoelectrochemical detection for protein tumor marker with cadmium sulfide biotracers. *Analytical Chemistry*, **2009**, 81, 1340-6	7.8	131
533	Organic light-emitting diodes based on charge-neutral Os(II) emitters: generation of saturated red emission with very high external quantum efficiency. *Journal of Materials Chemistry*, **2005**, 15, 460		129
532	A New Series of Quadrupolar Type Two-Photon Absorption Chromophores Bearing 11, 12-Dibutoxydibenzo[a,c]-phenazine Bridged Amines; Their Applications in Two-Photon Fluorescence Imaging and Two-Photon Photodynamic Therapy. *Advanced Functional Materials*, **2009**, 19, 2388-2397	15.6	127
531	Rational Design of Charge-Neutral, Near-Infrared-Emitting Osmium(II) Complexes and OLED Fabrication. *Advanced Functional Materials*, **2009**, 19, 2639-2647	15.6	127
530	Thermodynamic vs. kinetic control of excited-state proton transfer reactions. *Journal of Photochemistry and Photobiology C: Photochemistry Reviews*, **2015**, 22, 1-18	16.4	126
529	Feeling blue? Blue phosphors for OLEDs. *Materials Today*, **2011**, 14, 472-479	21.8	126

528	Comprehensive studies on an overall proton transfer cycle of the ortho-green fluorescent protein chromophore. *Journal of the American Chemical Society*, **2011**, 133, 2932-43	16.4	121
527	Donor□cceptor dyes with fluorine substituted phenylene spacer for dye-sensitized solar cells. *Journal of Materials Chemistry*, **2011**, 21, 1937-1945		120
526	Orange and Red Organic Light-Emitting Devices Employing Neutral Ru(II) Emitters: Rational Design and Prospects for Color Tuning. *Advanced Functional Materials*, **2006**, 16, 1615-1626	15.6	120
525	Femtosecond dynamics on excited-state proton/charge-transfer reaction in 4'-N,N-diethylamino-3-hydroxyflavone. The role of dipolar vectors in constructing a rational mechanism. *Journal of Physical Chemistry A*, **2005**, 109, 3777-87	2.8	120
524	A novel excited-state intramolecular proton transfer molecule, 10-hydroxybenzo[h]quinoline. *Chemical Physics Letters*, **1992**, 193, 151-154	2.5	120
523	A new and facile method to prepare uniform hollow MnO/functionalized mSiO□ core/shell nanocomposites. *ACS Nano*, **2011**, 5, 4177-87	16.7	119
522	Control of the Reversibility of Excited-State Intramolecular Proton Transfer (ESIPT) Reaction: Host-Polarity Tuning White Organic Light Emitting Diode on a New Thiazolo[5,4-d]thiazole ESIPT System. *Chemistry of Materials*, **2016**, 28, 8815-8824	9.6	117
521	Dye molecular structure device open-circuit voltage correlation in Ru(II) sensitizers with heteroleptic tridentate chelates for dye-sensitized solar cells. *Journal of the American Chemical Society*, **2012**, 134, 7488-96	16.4	117
520	Modulation of metallophilic bonds: solvent-induced isomerization and luminescence vapochromism of a polymorphic Au-Cu cluster. *Journal of the American Chemical Society*, **2012**, 134, 6564-7	16.4	117
519	Iridium(III) complexes of a dicyclometalated phosphite tripod ligand: strategy to achieve blue phosphorescence without fluorine substituents and fabrication of OLEDs. *Angewandte Chemie - International Edition*, **2011**, 50, 3182-6	16.4	117
518	Development of thiocyanate-free, charge-neutral Ru(II) sensitizers for dye-sensitized solar cells. *Chemical Communications*, **2010**, 46, 5124-6	5.8	112
517	CdS Nanorods Imbedded in Liquid Crystal Cells for Smart Optoelectronic Devices. *Nano Letters*, **2007**, 7, 1908-1913	11.5	109
516	Rational Color Tuning and Luminescent Properties of Functionalized Boron-Containing 2-Pyridyl Pyrrolide Complexes. *Advanced Functional Materials*, **2005**, 15, 567-574	15.6	109
515	L-ascorbic acid quenching of singlet delta molecular oxygen in aqueous media: generalized antioxidant property of vitamin C. *Biochemical and Biophysical Research Communications*, **1983**, 115, 932-7	3.4	109
514	Design and synthesis of iridium(III) azacrown complex: application as a highly sensitive metal cation phosphorescence sensor. *Organic and Biomolecular Chemistry*, **2006**, 4, 98-103	3.9	108
513	Amino proton donors in excited-state intramolecular proton-transfer reactions. *Nature Reviews Chemistry*, **2018**, 2, 131-143	34.6	106
512	Metal complexes with pyridyl azolates: Design, preparation and applications. *Coordination Chemistry Reviews*, **2014**, 281, 1-25	23.2	105
511	Excited-state intramolecular proton transfer molecules bearing o-hydroxy analogues of green fluorescent protein chromophore. *Journal of Organic Chemistry*, **2011**, 76, 8189-202	4.2	105

510	A new family of homoleptic Ir(III) complexes: tris-pyridyl azolate derivatives with dual phosphorescence. *ChemPhysChem*, **2006**, 7, 2294-7	3.2	105
509	Color tuning associated with heteroleptic cyclometalated Ir(III) complexes: influence of the ancillary ligand. *Dalton Transactions*, **2007**, 1881-90	4.3	105
508	Blue-emitting platinum(II) complexes bearing both pyridylpyrazolate chelate and bridging pyrazolate ligands: synthesis, structures, and photophysical properties. *Inorganic Chemistry*, **2007**, 46, 11202-12	5.1	102
507	Pyreno[2,1-b]pyrrole and bis(pyreno[2,1-b]pyrrole) as selective chemosensors of fluoride ion: a mechanistic study. *Journal of Organic Chemistry*, **2007**, 72, 3537-42	4.2	102
506	Solvent-Polarity Tuning Excited-State Charge Coupled Proton-Transfer Reaction in p-N,N-Ditolylaminosalicylaldehydes. *Journal of Physical Chemistry A*, **2004**, 108, 6487-6498	2.8	102
505	Enhanced performance and air stability of 3.2% hybrid solar cells: how the functional polymer and CdTe nanostructure boost the solar cell efficiency. *Advanced Materials*, **2011**, 23, 5451-5	24	101
504	Optically Triggered Stepwise Double-Proton Transfer in an Intramolecular Proton Relay: A Case Study of 1,8-Dihydroxy-2-naphthaldehyde. *Journal of the American Chemical Society*, **2015**, 137, 14349-57	16.4	99
503	Highly efficient dye-sensitized solar cells based on panchromatic ruthenium sensitizers with quinolinylbipyridine anchors. *Angewandte Chemie - International Edition*, **2014**, 53, 178-83	16.4	98
502	Synthesis and Characterization of Metal Complexes Possessing the 5-(2-Pyridyl) Pyrazolate Ligands: The Observation of Remarkable Osmium-Induced Blue Phosphorescence in Solution at Room Temperature. *Organometallics*, **2003**, 22, 4938-4946	3.8	97
501	Synthesis, Characterization, and Highly Efficient Catalytic Reactivity of Suspended Palladium Nanoparticles. *Journal of Catalysis*, **2000**, 195, 336-341	7.3	97
500	Harvesting highly electronically excited energy to triplet manifolds: state-dependent intersystem crossing rate in Os(II) and Ag(I) complexes. *Journal of the American Chemical Society*, **2012**, 134, 7715-24	16.4	96
499	Neutral, panchromatic Ru(II) terpyridine sensitizers bearing pyridine pyrazolate chelates with superior DSSC performance. *Chemical Communications*, **2009**, 5844-6	5.8	93
498	Overcoming the energy gap law in near-infrared OLEDs by exciton–vibration decoupling. *Nature Photonics*, **2020**, 14, 570-577	33.9	92
497	Os(II) Based Green to Red Phosphors: A Great Prospect for Solution-Processed, Highly Efficient Organic Light-Emitting Diodes. *Advanced Functional Materials*, **2012**, 22, 3491-3499	15.6	92
496	Excited-state intramolecular proton-transfer reaction demonstrating anti-Kasha behavior. *Chemical Science*, **2016**, 7, 655-665	9.4	91
495	Locked ortho- and para-core chromophores of green fluorescent protein; dramatic emission enhancement via structural constraint. *Journal of the American Chemical Society*, **2014**, 136, 11805-12	16.4	90
494	Tris(thiocyanate) ruthenium(II) sensitizers with functionalized dicarboxyterpyridine for dye-sensitized solar cells. *Angewandte Chemie - International Edition*, **2011**, 50, 8270-4	16.4	89
493	Fluorescent and circular dichroic detection of monosaccharides by molecular sensors: bis[(pyrrolyl)ethynyl]naphthyridine and bis[(indolyl)ethynyl]naphthyridine. *Journal of the American Chemical Society*, **2004**, 126, 3559-66	16.4	88

492	Snapshotting the Excited-State Planarization of Chemically Locked N,N′-Disubstituted Dihydrodibenzo[a,c]phenazines. *Journal of the American Chemical Society*, **2017**, 139, 1636-1644	16.4	87
491	Probe exciplex structure of highly efficient thermally activated delayed fluorescence organic light emitting diodes. *Nature Communications*, **2018**, 9, 3111	17.4	83
490	Halogen Bonding to Amplify Luminescence: A Case Study Using a Platinum Cyclometalated Complex. *Angewandte Chemie - International Edition*, **2015**, 54, 14057-60	16.4	82
489	Semi-quantitative assessment of the intersystem crossing rate: an extension of the El-Sayed rule to the emissive transition metal complexes. *Physical Chemistry Chemical Physics*, **2014**, 16, 26184-92	3.6	82
488	Electrophosphorescent Polyfluorenes Containing Osmium Complexes in the Conjugated Backbone. *Advanced Functional Materials*, **2008**, 18, 1430-1439	15.6	82
487	Organic dyes with remarkably high absorptivity; all solid-state dye sensitized solar cell and role of fluorine substitution. *Chemical Communications*, **2010**, 46, 5256-8	5.8	81
486	Spectroscopy and femtosecond dynamics of excited-state proton transfer induced charge transfer reaction. *Journal of Physical Chemistry A*, **2008**, 112, 8323-32	2.8	81
485	Phosphorescent iridium(III) complexes with nonconjugated cyclometalated ligands. *Chemistry - A European Journal*, **2008**, 14, 5423-34	4.8	81
484	Syntheses and spectroscopic studies of spirobifluorene-bridged bipolar systems; photoinduced electron transfer reactions. *Chemical Communications*, **2002**, 2874-5	5.8	81
483	A new class of sky-blue-emitting Ir(III) phosphors assembled using fluorine-free pyridyl pyrimidine cyclometalates: application toward high-performance sky-blue- and white-emitting OLEDs. *ACS Applied Materials & Interfaces*, **2013**, 5, 7341-51	9.5	80
482	Tuning Excited-State Charge/Proton Transfer Coupled Reaction via the Dipolar Functionality. *Journal of Physical Chemistry A*, **2004**, 108, 6452-6454	2.8	80
481	Probing lectin and sperm with carbohydrate-modified quantum dots. *ChemBioChem*, **2005**, 6, 1899-905	3.8	80
480	The Host/Guest Type of Excited-State Proton Transfer; a General Review. *Journal of the Chinese Chemical Society*, **2001**, 48, 651-682	1.5	80
479	Structure and Thermodynamics of 7-Azaindole Hydrogen-Bonded Complexes. *The Journal of Physical Chemistry*, **1995**, 99, 11994-12000		80
478	Spectroscopy and Femtosecond Dynamics of Type-II CdSe/ZnTe Core−Shell Semiconductor Synthesized via the CdO Precursor. *Journal of Physical Chemistry B*, **2004**, 108, 10687-10691	3.4	78
477	The observation of solvent-dependent proton-transfer / charge-transfer lasers from 4′ -diethylamino-3-hydroxyflavone. *Chemical Physics Letters*, **1993**, 204, 395-399	2.5	78
476	Luminescent platinum(II) complexes containing isoquinolinyl indazolate ligands: synthetic reaction pathway and photophysical properties. *Inorganic Chemistry*, **2007**, 46, 7064-74	5.1	77
475	Imaging of Proteins in Tissue Samples Using Nanospray Desorption Electrospray Ionization Mass Spectrometry. *Analytical Chemistry*, **2015**, 87, 11171-5	7.8	76

474	A Genuine Intramolecular Proton Relay System Undergoing Excited-State Double Proton Transfer Reaction. *Journal of Physical Chemistry Letters*, **2011**, 2, 3063-3068	6.4	76
473	Macrophage physiological function after superparamagnetic iron oxide labeling. *NMR in Biomedicine*, **2008**, 21, 820-9	4.4	76
472	Application of F4TCNQ doped spiro-MeOTAD in high performance solid state dye sensitized solar cells. *Physical Chemistry Chemical Physics*, **2012**, 14, 11689-94	3.6	74
471	Large AuAg Alloy Nanoparticles Synthesized in Organic Media Using a One-Pot Reaction: Their Applications for High-Performance Bulk Heterojunction Solar Cells. *Advanced Functional Materials*, **2012**, 22, 3975-3984	15.6	74
470	Switching luminescent properties in osmium-based beta-diketonate complexes. *ChemPhysChem*, **2005**, 6, 2012-7	3.2	74
469	Mechanoluminescent and efficient white OLEDs for Pt(II) phosphors bearing spatially encumbered pyridinyl pyrazolate chelates. *Journal of Materials Chemistry C*, **2013**, 1, 7582	7.1	73
468	Thiol-Functionalized Gold Nanodots: Two-Photon Absorption Property and Imaging In Vitro. *Journal of Physical Chemistry C*, **2009**, 113, 21082-21089	3.8	73
467	Octanuclear gold(I) alkynyl-diphosphine clusters showing thermochromic luminescence. *Chemical Communications*, **2011**, 47, 5533-5	5.8	72
466	Two-stage sensing property via a conjugated donor-acceptor-donor constitution: application to the visual detection of mercuric ion. *Journal of Organic Chemistry*, **2005**, 70, 5827-32	4.2	72
465	Theoretical Study of N749 Dyes Anchoring on the (TiO2)28 Surface in DSSCs and Their Electronic Absorption Properties. *Journal of Physical Chemistry C*, **2012**, 116, 16338-16345	3.8	70
464	Intensely luminescent alkynyl-phosphine gold(I)-copper(I) complexes: synthesis, characterization, photophysical, and computational studies. *Inorganic Chemistry*, **2009**, 48, 2094-102	5.1	70
463	Conjugated Dual Hydrogen Bonds Mediating 2-Pyridone/2-Hydroxypyridine Tautomerism. *Journal of Physical Chemistry B*, **1997**, 101, 9119-9126	3.4	70
462	Proton-Transfer Tautomerism of 7-Hydroxyquinolines Mediated by Hydrogen-Bonded Complexes. *Journal of Physical Chemistry A*, **1999**, 103, 1939-1949	2.8	70
461	Insight into the mechanism and outcoupling enhancement of excimer-associated white light generation. *Chemical Science*, **2016**, 7, 3556-3563	9.4	70
460	Rapid atmospheric pressure plasma jet processed reduced graphene oxide counter electrodes for dye-sensitized solar cells. *ACS Applied Materials & Interfaces*, **2014**, 6, 15105-12	9.5	69
459	Blue-Emitting Heteroleptic Iridium(III) Complexes Suitable for High-Efficiency Phosphorescent OLEDs. *Angewandte Chemie*, **2007**, 119, 2470-2473	3.6	69
458	Fluorescent organic nanoparticles of benzofuran-naphthyridine linked molecules: formation and fluorescence enhancement in aqueous media. *Organic Letters*, **2006**, 8, 3713-6	6.2	69
457	Engineering of osmium(II)-based light absorbers for dye-sensitized solar cells. *Angewandte Chemie - International Edition*, **2012**, 51, 5642-6	16.4	68

456	Mesomorphism and luminescence properties of platinum(II) complexes with tris(alkoxy)phenyl-functionalized pyridyl pyrazolate chelates. *Chemistry - A European Journal*, **2011**, 17, 546-56	4.8	67
455	Electrogenerated Chemiluminescence. 76. Excited Singlet State Emission vs Excimer Emission in Ter(9,9-diarylfluorene)s. *Journal of Physical Chemistry B*, **2003**, 107, 14407-14413	3.4	67
454	Pt(II) metal complexes tailored with a newly designed spiro-arranged tetradentate ligand; harnessing of charge-transfer phosphorescence and fabrication of sky blue and white OLEDs. *Inorganic Chemistry*, **2015**, 54, 4029-38	5.1	66
453	A new class of N-H proton transfer molecules: wide tautomer emission tuning from 590 nm to 770 nm via a facile, single site amino derivatization in 10-aminobenzo[h]quinoline. *Chemical Communications*, **2015**, 51, 16099-102	5.8	66
452	Orthogonally Substituted Benzimidazole-Carbazole Benzene As Universal Hosts for Phosphorescent Organic Light-Emitting Diodes. *Organic Letters*, **2016**, 18, 672-5	6.2	66
451	New Family of Ruthenium-Dye- Sensitized Nanocrystalline TiO2 Solar Cells with a High Solar-Energy-Conversion Efficiency. *Advanced Functional Materials*, **2007**, 17, 2964-2974	15.6	65
450	Acid Catalysis of Excited-State Double-Proton Transfer in 7-Azaindole. *The Journal of Physical Chemistry*, **1994**, 98, 8801-8805		65
449	Enhanced plasmonic resonance energy transfer in mesoporous silica-encased gold nanorod for two-photon-activated photodynamic therapy. *Theranostics*, **2014**, 4, 798-807	12.1	64
448	Synthesis, Characterization, and Photophysical Properties of Iridium Complexes with an 8-Phenylquinoline Framework. The First Six-Membered Chelated Iridium Complexes for Electroluminance. *Organometallics*, **2005**, 24, 1329-1335	3.8	64
447	Iridium-complex modified CdSe/ZnS quantum dots; a conceptual design for bi-functionality toward imaging and photosensitization. *Chemical Communications*, **2006**, 615-7	5.8	64
446	A remarkable ligand orientational effect in osmium-atom-induced blue phosphorescence. *Chemistry - A European Journal*, **2004**, 10, 6255-64	4.8	64
445	Spectroscopy and dynamics of excited-state intramolecular proton-transfer reaction in 5-hydroxyflavone. *Chemical Physics Letters*, **2001**, 340, 89-97	2.5	64
444	Phosphorescent Ir(III) complexes bearing double benzyldiphenylphosphine cyclometalates; strategic synthesis, fundamental and integration for white OLED fabrication. *Journal of Materials Chemistry*, **2010**, 20, 7682		63
443	Blue to true-blue phosphorescent Ir(III) complexes bearing a nonconjugated ancillary phosphine chelate: strategic synthesis, photophysics, and device integration. *ACS Applied Materials & Interfaces*, **2009**, 1, 433-42	9.5	62
442	Photooxygenation of 3-hydroxyflavone and molecular design of the radiation-hard scintillator based on the excited-state proton transfer. *Radiation Physics and Chemistry*, **1993**, 41, 373-378	2.5	62
441	Anomalously Long-Lasting Blue PhOLED Featuring Phenyl-Pyrimidine Cyclometalated Iridium Emitter. *CheM*, **2017**, 3, 461-476	16.2	61
440	Cyclometalated Platinum(II) Complexes of Lepidine-Based Ligands as Highly Efficient Electrophosphors. *Organometallics*, **2010**, 29, 3912-3921	3.8	61
439	Type-II CdSe/CdTe/ZnTe (core-shell-shell) quantum dots with cascade band edges: the separation of electron (at CdSe) and hole (at ZnTe) by the CdTe layer. *Small*, **2005**, 1, 1215-20	11	61

438	A silole copolymer containing a ladder-type heptacylic arene and naphthobisoxadiazole moieties for highly efficient polymer solar cells. *Energy and Environmental Science*, **2015**, 8, 552-557	35.4	60
437	Harnessing the open-circuit voltage via a new series of Ru(II) sensitizers bearing (iso-)quinolinyl pyrazolate ancillaries. *Energy and Environmental Science*, **2013**, 6, 859	35.4	60
436	Excited-state intramolecular proton transfer (ESIPT) fine tuned by quinoline-pyrazole isomerism: pi-conjugation effect on ESIPT. *Journal of Physical Chemistry A*, **2010**, 114, 7886-91	2.8	60
435	Syntheses and remarkable photophysical properties of 5-(2-pyridyl) pyrazolate boron complexes; photoinduced electron transfer. *Chemical Communications*, **2003**, 2628-9	5.8	60
434	A new ambipolar blue emitter for NTSC standard blue organic light-emitting device. *Organic Electronics*, **2009**, 10, 158-162	3.5	59
433	Room-temperature NIR phosphorescence of new iridium (III) complexes with ligands derived from benzoquinoxaline. *Canadian Journal of Chemistry*, **2006**, 84, 309-318	0.9	59
432	Preparation of Pt nanoparticles on carbon nanotubes and graphite nanofibers via self-regulated reduction of surfactants and their application as electrochemical catalyst. *Electrochemistry Communications*, **2005**, 7, 453-458	5.1	59
431	Water-catalyzed excited-state double proton transfer in 3-cyano-7-azaindole: the resolution of the proton-transfer mechanism for 7-azaindoles in pure water. *Journal of the American Chemical Society* , **2001**, 123, 3599-600	16.4	59
430	Functional Pyrimidine-Based Thermally Activated Delay Fluorescence Emitters: Photophysics, Mechanochromism, and Fabrication of Organic Light-Emitting Diodes. *Chemistry - A European Journal*, **2017**, 23, 2858-2866	4.8	58
429	Mechanism of giant enhancement of light emission from Au/CdSe nanocomposites. *Nanotechnology*, **2007**, 18, 415707	3.4	58
428	Synthesis, characterization, and photophysical properties of Os(II) diimine complexes [Os(N(wedge)N)(CO)(2)I(2)] (N(wedge)N = bipyridine, phenanthroline, and pyridyl benzoxazole). *Inorganic Chemistry*, **2005**, 44, 4287-94	5.1	58
427	Synthesis, structures, and photoinduced electron transfer reaction in the 9,9′-spirobifluorene-bridged bipolar systems. *Journal of Organic Chemistry*, **2006**, 71, 456-65	4.2	58
426	Optically Triggered Planarization of Boryl-Substituted Phenoxazine: Another Horizon of TADF Molecules and High-Performance OLEDs. *ACS Applied Materials & Interfaces*, **2018**, 10, 12886-12896	9.5	57
425	Strategic design and synthesis of osmium(II) complexes bearing a single pyridyl azolate pi-chromophore: achieving high-efficiency blue phosphorescence by localized excitation. *Inorganic Chemistry*, **2007**, 46, 10276-86	5.1	57
424	Superiority of branched side chains in spontaneous nanowire formation: exemplified by poly(3-2-methylbutylthiophene) for high-performance solar cells. *Small*, **2011**, 7, 1098-107	11	56
423	Diphenyl(1-naphthyl)phosphine ancillary for assembling of red and orange-emitting Ir(III) based phosphors; strategic synthesis, photophysics, and organic light-emitting diode fabrication. *Inorganic Chemistry*, **2010**, 49, 8713-23	5.1	56
422	Blue-emitting Ir(III) phosphors with ancillary 4,6-difluorobenzyl diphenylphosphine based cyclometalate. *Dalton Transactions*, **2009**, 6472-5	4.3	56
421	Novel tailoring reaction for two adjacent coordinated nitriles giving platinum 1,3,5-triazapentadiene complexes. *Inorganic Chemistry*, **2008**, 47, 11487-500	5.1	56

420	Efficient thermally activated delayed fluorescence of functional phenylpyridinato boron complexes and high performance organic light-emitting diodes. *Journal of Materials Chemistry C*, **2017**, 5, 1452-1462	7.1	55
419	Well-defined mesoporous nanostructure modulates three-dimensional interface energy transfer for two-photon activated photodynamic therapy. *Nano Today*, **2011**, 6, 552-563	17.9	55
418	An intensely and oxygen independent phosphorescent gold(I)-silver(I) complex: "trapping" an Au8Ag10 oligomer by two gold-alkynyl-diphosphine molecules. *Chemical Communications*, **2009**, 2860-2	5.8	55
417	Highly Efficient Blue-Emitting Iridium(III) Carbene Complexes and Phosphorescent OLEDs. *Angewandte Chemie*, **2008**, 120, 4618-4621	3.6	55
416	Dual room-temperature fluorescent and phosphorescent emission in 8-quinolinolate osmium(II) carbonyl complexes: rationalization and generalization of intersystem crossing dynamics. *Inorganic Chemistry*, **2005**, 44, 4594-603	5.1	55
415	Sensitization of O21g+ -> 1g emission in solution, and observation of O21g -> 3g chemiluminescence upon decomposition of 1,4-dimethylnaphthalene endoperoxide. *Chemical Physics Letters*, **1985**, 122, 87-92	2.5	55
414	2D self-bundled CdS nanorods with micrometer dimension in the absence of an external directing process. *ACS Nano*, **2008**, 2, 750-6	16.7	54
413	Syntheses and photophysical properties of type-II CdSe/ZnTe/ZnS (core/shell/shell) quantum dots. *Journal of Materials Chemistry*, **2005**, 15, 3409		54
412	Practical and Convenient 355-nm and 337-nm Sharp-Cut Filters for Multichannel Raman Spectroscopy. *Applied Spectroscopy*, **1991**, 45, 513-515	3.1	54
411	Dendrimer- and copolymer-based nanoparticles for magnetic resonance cancer theranostics. *Theranostics*, **2018**, 8, 6322-6349	12.1	54
410	The empirical correlation between hydrogen bonding strength and excited-state intramolecular proton transfer in 2-pyridyl pyrazoles. *Journal of Physical Chemistry A*, **2012**, 116, 4438-44	2.8	53
409	Authentic-blue phosphorescent iridium(III) complexes bearing both hydride and benzyl diphenylphosphine; control of the emission efficiency by ligand coordination geometry. *Inorganic Chemistry*, **2009**, 48, 8164-72	5.1	53
408	Color Tuning and Highly Efficient Blue Emitters of Finite Diphenylamino-Containing Oligo(arylenevinylene) Derivatives Using Fluoro Substituents. *Advanced Functional Materials*, **2007**, 17, 520-530	15.6	53
407	Femtosecond dynamics on 2-(2'-hydroxy-4'-diethylaminophenyl)benzothiazole: solvent polarity in the excited-state proton transfer. *ChemPhysChem*, **2006**, 7, 1372-81	3.2	53
406	Antiferromagnetic iron nanocolloids: a new generation in vivo T1 MRI contrast agent. *Journal of the American Chemical Society*, **2013**, 135, 18621-8	16.4	52
405	Structural characterization and luminescence behavior of a silver(I) 1D polymeric chain constructed via a Bridge with unusual 4,5-diazospirobifluorene and perchlorate. *Inorganic Chemistry*, **2004**, 43, 4781-3	5.1	52
404	Site-selective DNA photocleavage involving unusual photoinitiated tautomerization of chiral tridentate vanadyl(V) complexes derived from N-salicylidene alpha-amino acids. *Organic Letters*, **2004**, 6, 4471-4	6.2	52
403	Photophysics of 10-Hydroxybenzo[h]quinoline in Aqueous Solution. *The Journal of Physical Chemistry*, **1996**, 100, 17059-17066		52

402	Designed Conformation and Fluorescence Properties of Self-Assembled Phenazine-Cored Platinum(II) Metallacycles. *Journal of the American Chemical Society*, **2019**, 141, 5535-5543	16.4	51
401	Tuning the Conformation and Color of Conjugated Polyheterocyclic Skeletons by Installing ortho-Methyl Groups. *Angewandte Chemie - International Edition*, **2018**, 57, 9880-9884	16.4	51
400	Dual excited-state intramolecular proton transfer reaction in 3-hydroxy-2-(pyridin-2-yl)-4H-chromen-4-one. *Journal of Physical Chemistry A*, **2009**, 113, 205-14	2.8	51
399	Homoleptic tris(pyridyl pyrazolate) Ir(III) complexes: en route to highly efficient phosphorescent OLEDs. *Chemistry - A European Journal*, **2010**, 16, 4315-27	4.8	51
398	Emissive Pt(II) complexes bearing both cyclometalated ligand and 2-pyridyl hexafluoropropoxide ancillary chelate. *Dalton Transactions*, **2008**, 6901-11	4.3	51
397	Interplay of Molecular Orientation, Film Formation, and Optoelectronic Properties on Isoindigo- and Thienoisoindigo-Based Copolymers for Organic Field Effect Transistor and Organic Photovoltaic Applications. *Chemistry of Materials*, **2015**, 27, 6837-6847	9.6	50
396	Bis-Tridentate Iridium(III) Phosphors with Very High Photostability and Fabrication of Blue-Emitting OLEDs. *Advanced Science*, **2018**, 5, 1800846	13.6	50
395	Ru(II) sensitizers with a tridentate heterocyclic cyclometalate for dye-sensitized solar cells. *Energy and Environmental Science*, **2012**, 5, 7549	35.4	50
394	5,14-Diaryldiindeno[2,1- f:1',2' -j]picene: A New Stable [7]Helicene with a Partial Biradical Character. *Journal of the American Chemical Society*, **2018**, 140, 14357-14366	16.4	50
393	New six- and seven-membered ring pyrrole-pyridine hydrogen bond systems undergoing excited-state intramolecular proton transfer. *Chemical Communications*, **2014**, 50, 15026-9	5.8	49
392	Harnessing Fluorescence versus Phosphorescence Branching Ratio in (Phenyl)n-Bridged (n = 0–5) Bimetallic Au(I) Complexes. *Journal of Physical Chemistry C*, **2013**, 117, 9623-9632	3.8	49
391	Probing water micro-solvation in proteins by water catalysed proton-transfer tautomerism. *Nature Communications*, **2013**, 4, 2611	17.4	49
390	A new class of N-H excited-state intramolecular proton transfer (ESIPT) molecules bearing localized zwitterionic tautomers. *Physical Chemistry Chemical Physics*, **2016**, 18, 24428-36	3.6	49
389	Heteroleptic Ir(III) phosphors with bis-tridentate chelating architecture for high efficiency OLEDs. *Journal of Materials Chemistry C*, **2015**, 3, 3460-3471	7.1	48
388	Surfactant-Directed Synthesis of Ternary Nanostructures: Nanocubes, Polyhedrons, Octahedrons, and Nanowires of PtNiFe. Their Shape-Dependent Oxygen Reduction Activity. *Chemistry of Materials*, **2012**, 24, 2527-2533	9.6	48
387	Mono- versus dinuclear Pt(II) 6-(5-trifluoromethyl-pyrazol-3-yl)-2,2'-bipyridine complexes: synthesis, characterization, and remarkable difference in luminescent properties. *Inorganic Chemistry*, **2010**, 49, 1372-83	5.1	48
386	Probing Pb2+ cation via the iridium based phosphorescent dye. *Polyhedron*, **2007**, 26, 4886-4892	2.7	48
385	Harnessing Dielectric Confinement on Tin Perovskites to Achieve Emission Quantum Yield up to 21. *Journal of the American Chemical Society*, **2019**, 141, 10324-10330	16.4	47

384	Panchromatic Ru(II) sensitizers bearing single thiocyanate for high efficiency dye sensitized solar cells. *Journal of Materials Chemistry A*, **2014**, 2, 17618-17627	13	47
383	Phosphorescent OLEDs assembled using Os(II) phosphors and a bipolar host material consisting of both carbazole and dibenzophosphole oxide. *Journal of Materials Chemistry*, **2012**, 22, 10684		47
382	Emissive osmium(II) complexes with tetradentate bis(pyridylpyrazolate) chelates. *Inorganic Chemistry*, **2013**, 52, 5867-75	5.1	47
381	Donor□cceptor organic sensitizers assembled with isoxazole or its derivative 3-oxopropanenitrile. *Tetrahedron*, **2010**, 66, 4223-4229	2.4	47
380	Multiple hydrogen bonds tuning guest/host excited-state proton transfer reaction: its application in molecular recognition. *Journal of the American Chemical Society*, **2004**, 126, 1650-1	16.4	47
379	Chemical design of nanoprobes for T1-weighted magnetic resonance imaging. *Materials Today*, **2016**, 19, 336-348	21.8	46
378	Tri-iodide Reduction Activity of Shape- and Composition-Controlled PtFe Nanostructures as Counter Electrodes in Dye-Sensitized Solar Cells. *Chemistry of Materials*, **2016**, 28, 2110-2119	9.6	46
377	Cationic iridium complexes with intramolecular □□interaction and enhanced steric hindrance for solid-state light-emitting electrochemical cells. *Inorganic Chemistry*, **2012**, 51, 12114-21	5.1	46
376	Fluorinated thienyl-quinoxaline-based D□A-type copolymer toward efficient polymer solar cells: synthesis, characterization, and photovoltaic properties. *Polymer Chemistry*, **2013**, 4, 3411	4.9	46
375	Rational reductive fusion of two heterometallic clusters: formation of a highly stable, intensely phosphorescent Au-Ag aggregate and application in two-photon imaging in human mesenchymal stem cells. *Chemical Communications*, **2010**, 46, 1440-2	5.8	46
374	En route to the formation of high-efficiency, osmium(II)-based phosphorescent materials. *Inorganic Chemistry*, **2006**, 45, 10188-96	5.1	46
373	Self-complementarity of oligo-2-aminopyridines: a new class of hydrogen-bonded ladders. *Journal of the American Chemical Society*, **2002**, 124, 4287-97	16.4	46
372	Ground-State Reverse Double Proton Transfer of 7-Azaindole. *Journal of the American Chemical Society*, **1998**, 120, 12927-12934	16.4	46
371	PtCoFe Nanowire Cathodes Boost Short-Circuit Currents of Ru(II)-Based Dye-Sensitized Solar Cells to a Power Conversion Efficiency of 12.29%. *Advanced Functional Materials*, **2018**, 28, 1703282	15.6	45
370	Intensely luminescent homoleptic alkynyl decanuclear gold(I) clusters and their cationic octanuclear phosphine derivatives. *Inorganic Chemistry*, **2012**, 51, 7392-403	5.1	45
369	Neutral Ru(II)-based emitting materials: a prototypical study on factors governing radiationless transition in phosphorescent metal complexes. *Inorganic Chemistry*, **2006**, 45, 8041-51	5.1	45
368	7-Azaindole-Assisted Lactam-Lactim Tautomerization via Excited-State Double Proton Transfer. *Journal of the American Chemical Society*, **1995**, 117, 7259-7260	16.4	45
367	Highly luminescent octanuclear Au(I)-Cu(I) clusters adopting two structural motifs: the effect of aliphatic alkynyl ligands. *Chemistry - A European Journal*, **2011**, 17, 11456-66	4.8	44

366	Ground and Excited-State Acetic Acid Catalyzed Double Proton Transfer in 2-Aminopyridine *Journal of Physical Chemistry A*, **2003**, 107, 3244-3253	2.8	44
365	Heteroleptic Ir(III) complexes containing both azolate chromophoric chelate and diphenylphosphinoaryl cyclometalates; reactivities, electronic properties and applications. *Dalton Transactions*, **2011**, 40, 1132-43	4.3	43
364	Rational Design of Chelating Phosphine Functionalized Os(II) Emitters and Fabrication of Orange Polymer Light-Emitting Diodes Using Solution Process. *Advanced Functional Materials*, **2008**, 18, 183-194	15.6	43
363	2,7-Bis(1H-pyrrol-2-yl)ethynyl-1,8-naphthyridine: an ultrasensitive fluorescent probe for glucopyranoside. *Organic Letters*, **2002**, 4, 3107-10	6.2	43
362	Direct Spectroscopic Evidence of Photosensitized O2 765 nm (1Δg -> 3Σg) and O2 Dimol 634 and 703 nm ((1Δg)2 -> (3Σg)2) Vibronic Emission in Solution. *Journal of the American Chemical Society*, **1996**, 118, 3031-3032	16.4	43
361	Water-catalyzed excited-state proton-transfer reactions in 7-azaindole and its analogues. *Journal of Physical Chemistry B*, **2015**, 119, 2302-9	3.4	42
360	Insight into the Amino-Type Excited-State Intramolecular Proton Transfer Cycle Using N-Tosyl Derivatives of 2-(2'-Aminophenyl)benzothiazole. *Journal of Physical Chemistry A*, **2016**, 120, 1020-8	2.8	42
359	Synthesis and characterization of new fluorescent two-photon absorption chromophores. *Journal of Materials Chemistry*, **2006**, 16, 850-857		42
358	A Versatile Theranostic Delivery Platform Integrating Magnetic Resonance Imaging/Computed Tomography, pH/cis-Diol Controlled Release, and Targeted Therapy. *ACS Nano*, **2016**, 10, 5809-22	16.7	42
357	Sulfur-Based Intramolecular Hydrogen-Bond: Excited-State Hydrogen-Bond On/Off Switch with Dual Room-Temperature Phosphorescence. *Journal of the American Chemical Society*, **2019**, 141, 9885-9894	16.4	41
356	Tetragold(I) complexes: solution isomerization and tunable solid-state luminescence. *Inorganic Chemistry*, **2014**, 53, 12720-31	5.1	41
355	Photophysics of heteroleptic iridium(III) complexes of current interest; a closer look on relaxation dynamics. *Inorganic Chemistry*, **2009**, 48, 6501-8	5.1	41
354	Photogeneration and thermal generation of pentacene from soluble precursors for OTFT applications. *Organic Letters*, **2008**, 10, 2869-72	6.2	41
353	The remarkable influence of M2delta to thienyl pi conjugation in oligothiophenes incorporating MM quadruple bonds. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 15247-52	11.5	41
352	Spectroscopy and femtosecond dynamics of type-II CdTe/CdSe core-shell quantum dots. *ChemPhysChem*, **2006**, 7, 222-8	3.2	41
351	Indolo[2,3-b]carbazole synthesized from a double-intramolecular Buchwald-Hartwig reaction: its application for a dianchor DSSC organic dye. *Organic Letters*, **2014**, 16, 3176-9	6.2	40
350	First N-Borylated Emitters Displaying Highly Efficient Thermally Activated Delayed Fluorescence and High-Performance OLEDs. *ACS Applied Materials & Interfaces*, **2017**, 9, 27090-27101	9.5	40
349	New series of ruthenium(II) and osmium(II) complexes showing solid-state phosphorescence in far-visible and near-infrared. *Inorganic Chemistry*, **2010**, 49, 823-32	5.1	40

348	New supramolecular isomers with 2D 4(4) square-grid and 3D 6(5).8 frameworks in a one-pot synthesis; reversible solvent uptake and intriguing luminescence properties. *Chemical Communications*, **2008**, 1299-301	5.8	40
347	Room temperature blue phosphorescence: a combined experimental and theoretical study on the bis-tridentate Ir(iii) metal complexes. *Dalton Transactions*, **2016**, 45, 15364-15373	4.3	39
346	Excited state luminescence of multi-(5-phenyl-1,3,4-oxadiazo-2-yl)benzenes in an electron-donating matrix: exciplex or electroplex?. *Journal of Physical Chemistry B*, **2010**, 114, 756-68	3.4	39
345	Strategic design and synthesis of novel tridentate bipyridine pyrazolate coupled Ru(II) complexes to achieve superior solar conversion efficiency. *Journal of Materials Chemistry*, **2009**, 19, 5329		39
344	Excited-State Double Proton Transfer on 3-Iodo-7-Azaindole Dimer in a Single Crystal. *Journal of the American Chemical Society*, **2000**, 122, 986-987	16.4	39
343	Photophysics of 2-(4?-Dialkylaminophenyl)Benzothialzoles: Their Application for Near-UV Laser Dyes. *Applied Spectroscopy*, **1994**, 48, 604-606	3.1	39
342	Functional Pyrimidinyl Pyrazolate Pt(II) Complexes: Role of Nitrogen Atom in Tuning the Solid-State Stacking and Photophysics. *Advanced Functional Materials*, **2019**, 29, 1900923	15.6	38
341	One-step synthesis of degradable T(1)-FeOOH functionalized hollow mesoporous silica nanocomposites from mesoporous silica spheres. *Nanoscale*, **2015**, 7, 2676-87	7.7	38
340	One-pot synthesis and characterization of high-quality CdSe/ZnX (X=S, Se) nanocrystals via the CdO precursor. *Journal of Crystal Growth*, **2004**, 265, 250-259	1.6	38
339	Revisiting Dual Intramolecular Charge-Transfer Fluorescence of Phenothiazine-triphenyltriazine Derivatives. *Journal of Physical Chemistry C*, **2018**, 122, 12215-12221	3.8	38
338	Phenazine-Based Ratiometric Hg Probes with Well-Resolved Dual Emissions: A New Sensing Mechanism by Vibration-Induced Emission (VIE). *Small*, **2016**, 12, 6542-6546	11	37
337	Phosphorescent Ir(III) complexes with both cyclometalate chromophores and phosphine-silanolate ancillary: concurrent conversion of organosilane to silanolate. *Dalton Transactions*, **2013**, 42, 7111-9	4.3	37
336	Ortho-branched ladder-type oligophenylenes with two-dimensionally □conjugated electronic properties. *Journal of the American Chemical Society*, **2011**, 133, 8028-39	16.4	37
335	Effects of multibranching on 3-hydroxyflavone-based chromophores and the excited-state intramolecular proton transfer dynamics. *Journal of Physical Chemistry A*, **2010**, 114, 10412-20	2.8	37
334	Highly Emissive Dinuclear Platinum(III) Complexes. *Journal of the American Chemical Society*, **2020**, 142, 7469-7479	16.4	36
333	Exploiting racemism enhanced organic room-temperature phosphorescence to demonstrate Wallach's rule in the lighting chiral chromophores. *Nature Communications*, **2020**, 11, 2145	17.4	36
332	Luminescent Triphosphine Cyanide d(10) Metal Complexes. *Inorganic Chemistry*, **2016**, 55, 2174-84	5.1	36
331	Highly emissive cyclometalated rhenium metallacycles: structure-luminescence relationship. *Inorganic Chemistry*, **2010**, 49, 6805-7	5.1	36

330	Spectroscopy and femtosecond dynamics of 7-N,N-diethylamino-3-hydroxyflavone. The correlation of dipole moments among various states to rationalize the excited-state proton transfer reaction. *Journal of Physical Chemistry A*, **2005**, 109, 11696-706	2.8	36
329	Proton-Transfer Tautomerism of Carbolines Mediated by Hydrogen-Bonded Complexes. *Journal of Physical Chemistry B*, **2001**, 105, 10674-10683	3.4	36
328	Unprecedented Homoleptic Bis-Tridentate Iridium(III) Phosphors: Facile, Scaled-Up Production, and Superior Chemical Stability. *Advanced Functional Materials*, **2017**, 27, 1702856	15.6	36
327	Triboluminescence and Metal Phosphor for Organic Light-Emitting Diodes: Functional Pt(II) Complexes with Both 2-Pyridylimidazol-2-ylidene and Bipyrazolate Chelates. *ACS Applied Materials & Interfaces*, **2016**, 8, 33888-33898	9.5	35
326	Bending-Type Electron DonorDonorAcceptor Triad: Dual Excited-State Charge-Transfer Coupled Structural Relaxation. *Chemistry of Materials*, **2019**, 31, 5981-5992	9.6	35
325	Novel ambipolar orthogonal donor-acceptor host for blue organic light emitting diodes. *Organic Letters*, **2013**, 15, 4694-7	6.2	35
324	A facile integration of zero- (I-III-VI quantum dots) and one- (single SnO2 nanowire) dimensional nanomaterials: fabrication of a nanocomposite photodetector with ultrahigh gain and wide spectral response. *Nano Letters*, **2013**, 13, 1920-7	11.5	35
323	En route to white-light generation utilizing nanocomposites composed of ultrasmall CdSe nanodots and excited-state intramolecular proton transfer dyes. *ACS Applied Materials & Interfaces*, **2011**, 3, 1713-20	9.5	35
322	Synthesis and characterization of naphthalene diimide (NDI)-based near infrared chromophores with two-photon absorbing properties. *Tetrahedron*, **2010**, 66, 8629-8634	2.4	35
321	The Excited-State Triple Proton Transfer Reaction of 2,6-Diazaindoles and 2,6-Diazatryptophan in Aqueous Solution. *Journal of the American Chemical Society*, **2017**, 139, 6396-6402	16.4	34
320	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. *Advanced Materials*, **2018**, 30, e1706592	24	34
319	Uniform size and composition tuning of PtNi octahedra for systematic studies of oxygen reduction reactions. *Journal of Catalysis*, **2014**, 309, 343-350	7.3	34
318	Dye-Sensitized Solar Cells Based on Functionally Separated D-A Dyes with 2-Cyanopyridine as an Electron-Accepting and Anchoring Group. *Asian Journal of Organic Chemistry*, **2014**, 3, 153-160	3	34
317	Novel benzimidazole derivatives as electron-transporting type host to achieve highly efficient sky-blue phosphorescent organic light-emitting diode (PHOLED) device. *Organic Letters*, **2014**, 16, 5398-401	6.2	34
316	Photoinduced proton transfer in chemistry and biology. *Journal of Physical Chemistry B*, **2015**, 119, 2089	3.4	34
315	Synthesis and Properties of Oxygen-Linked N-Phenylcarbazole Dendrimers. *Macromolecules*, **2012**, 45, 751-765	5.5	34
314	Color-Tunable Light-Emitting Device Based on the Mixture of CdSe Nanorods and Dots Embedded in Liquid-Crystal Cells. *Journal of Physical Chemistry C*, **2010**, 114, 7995-7998	3.8	34
313	Fluorescent protein red Kaede chromophore; one-step, high-yield synthesis and potential application for solar cells. *Chemical Communications*, **2009**, 6982-4	5.8	34

312	Highly luminescent, homogeneous ZnO nanoparticles synthesized via semiconductive polyalkyloxylthiophene template. *Journal of Materials Chemistry*, **2009**, 19, 7284		34
311	Surfactant- and temperature-controlled CdS nanowire formation. *Small*, **2007**, 3, 1882-5	11	34
310	Tuning excited-state electron transfer from an adiabatic to nonadiabatic type in donor-bridge-acceptor systems and the associated energy-transfer process. *Journal of Physical Chemistry A*, **2006**, 110, 12136-44	2.8	34
309	Stepwise 1D growth of luminescent Au(I)-Ag(I) phosphine-alkynyl clusters: synthesis, photophysical, and theoretical studies. *Inorganic Chemistry*, **2011**, 50, 2395-403	5.1	33
308	Ruthenium(II) Sensitizers with Heteroleptic Tridentate Chelates for Dye-Sensitized Solar Cells. *Angewandte Chemie*, **2011**, 123, 2102-2106	3.6	33
307	Mercury(II) recognition and fluorescence imaging in vitro through a 3D-complexation structure. *Inorganic Chemistry*, **2009**, 48, 10304-11	5.1	33
306	Isomeric spiro-[acridine-9,9?-fluorene]-2,6-dipyridylpyrimidine based TADF emitters: insights into photophysical behaviors and OLED performances. *Journal of Materials Chemistry C*, **2018**, 6, 10088-10100	7.1	33
305	Os(II) metal phosphors bearing tridentate 2,6-di(pyrazol-3-yl)pyridine chelate: synthetic design, characterization and application in OLED fabrication. *Journal of Materials Chemistry C*, **2014**, 2, 6269	7.1	32
304	A new coordination polymer exhibiting unique 2D hydrogen-bonded (H2O)16 ring formation and water-dependent luminescence properties. *Chemistry - A European Journal*, **2011**, 17, 9232-41	4.8	32
303	Luminescent osmium(II) complexes with functionalized 2-phenylpyridine chelating ligands: preparation, structural analyses, and photophysical properties. *Inorganic Chemistry*, **2008**, 47, 3307-17	5.1	32
302	Synthesis, structure and electroluminescent properties of cyclometalated iridium complexes possessing sterically hindered ligands. *Dalton Transactions*, **2007**, 3025-34	4.3	32
301	Excited-state double proton transfer in model base pairs: the stepwise reaction on the heterodimer of 7-azaindole analogues. *ChemPhysChem*, **2008**, 9, 293-9	3.2	32
300	Photoluminescence electron-transfer quenching of rhenium(I) rectangles with amines. *Journal of Physical Chemistry A*, **2006**, 110, 10683-9	2.8	32
299	Direct evidence of excited-state intramolecular proton transfer in 2'-hydroxychalcone and photooxygenation forming 3-hydroxyflavone. *Journal of the American Chemical Society*, **1992**, 114, 4943-4944	16.4	32
298	Shape-Dependent Light Harvesting of 3D Gold Nanocrystals on Bulk Heterojunction Solar Cells: Plasmonic or Optical Scattering Effect?. *Journal of Physical Chemistry C*, **2015**, 119, 7554-7564	3.8	31
297	Fluorene as the spacer for new two-photon absorption chromophores. *Tetrahedron*, **2011**, 67, 734-739	2.4	31
296	Iridium(III) Complexes of a Dicyclometalated Phosphite Tripod Ligand: Strategy to Achieve Blue Phosphorescence Without Fluorine Substituents and Fabrication of OLEDs. *Angewandte Chemie*, **2011**, 123, 3240-3244	3.6	31
295	Syntheses, photophysics, and application of iridium(III) phosphorescent emitters for highly efficient, long-life organic light-emitting diodes. *Chemistry - an Asian Journal*, **2009**, 4, 742-53	4.5	31

294	Interplay between intra- and interligand charge transfer with variation of the axial N-heterocyclic ligand in osmium(II) pyridylpyrazolate complexes: extensive color tuning by phosphorescent solvatochromism. *Chemistry - A European Journal*, **2005**, 11, 6347-57	4.8	31
293	Os(II) phosphors with near-infrared emission induced by ligand-to-ligand charge transfer transition. *Inorganic Chemistry*, **2014**, 53, 9366-74	5.1	30
292	Bis(diphenylamino)-9,9?-spirobifluorene functionalized Ir(III) complex: a conceptual design en route to a three-in-one system possessing emitting core and electron and hole transport peripherals. *Journal of Materials Chemistry*, **2011**, 21, 768-774		30
291	Recombination dynamics in CdTe/CdSe type-II quantum dots. *Nanotechnology*, **2008**, 19, 115702	3.4	30
290	Dual excitation behavior of double proton transfer versus charge transfer in 4-(N-substituted amino)-1H-pyrrolo[2,3-b]pyridines tuned by dielectric and hydrogen-bonding perturbation. *Journal of the American Chemical Society*, **2001**, 123, 12119-20	16.4	30
289	Molecular engineering of D-A-A dyes with 2-(1,1-dicyanomethylene)rhodanine as an electron-accepting and anchoring group for dye-sensitized solar cells. *Electrochimica Acta*, **2015**, 179, 179-186	6.7	29
288	N-H-Type Excited-State Proton Transfer in Compounds Possessing a Seven-Membered-Ring Intramolecular Hydrogen Bond. *Chemistry - A European Journal*, **2016**, 22, 14688-95	4.8	29
287	Highly Sensitive Emission Sensor Based on Surface Plasmon Enhanced Energy Transfer between Gold Nanoclusters and Silver Nanoparticles. *Journal of Physical Chemistry C*, **2010**, 114, 799-802	3.8	29
286	Preparations and photophysical properties of fused and nonfused thienyl bridged MM (M = Mo or W) quadruply bonded complexes. *Inorganic Chemistry*, **2008**, 47, 3415-25	5.1	29
285	Studies of the triplet state of 2-(2?-hydroxyphenyl) benzothiazole. *Chemical Physics Letters*, **1991**, 178, 393-398	2.5	29
284	A comparative study. The photophysics of 2-phenylbenzoxazoles and 2-phenylbenzothiazoles. *Chemical Physics Letters*, **1993**, 216, 300-304	2.5	29
283	Solid-state luminescence of Au-Cu-alkynyl complexes induced by metallophilicity-driven aggregation. *Chemistry - A European Journal*, **2013**, 19, 5104-12	4.8	28
282	Ambipolar Phosphine Derivatives to Attain True Blue OLEDs with 6.5% EQE. *ACS Applied Materials & Interfaces*, **2016**, 8, 10968-76	9.5	28
281	Engineering of Single Magnetic Particle Carrier for Living Brain Cell Imaging: A Tunable T1-/T2-/Dual-Modal Contrast Agent for Magnetic Resonance Imaging Application. *Chemistry of Materials*, **2017**, 29, 4411-4417	9.6	27
280	Structural tuning intra- versus inter-molecular proton transfer reaction in the excited state. *Physical Chemistry Chemical Physics*, **2012**, 14, 9006-15	3.6	27
279	Band gap aligned conducting interface modifier enhances the performance of thermal stable polymer-TiO2 nanorod solar cell. *Applied Physics Letters*, **2010**, 96, 123501	3.4	27
278	Synthesis, photophysical and theoretical studies of luminescent silver(I)-copper(I) alkynyl-diphosphine complexes. *Dalton Transactions*, **2010**, 39, 2395-403	4.3	27
277	Pt(II) complexes with 6-(5-trifluoromethyl-pyrazol-3-yl)-2,2'-bipyridine terdentate chelating ligands: synthesis, characterization, and luminescent properties. *Chemistry - an Asian Journal*, **2008**, 3, 2112-23	4.5	27

276	Highly fluorescent pyreno[2,1-b]pyrroles: first syntheses, crystal structure, and intriguing photophysical properties. *Journal of Organic Chemistry*, **2004**, 69, 6674-8	4.2	27
275	The Design of an Effective Fluorescence Filter for Raman Spectroscopy. *Applied Spectroscopy*, **1991**, 45, 918-921	3.1	27
274	Cyclometalated Platinum(II) Cyanometallates: Luminescent Blocks for Coordination Self-Assembly. *Inorganic Chemistry*, **2017**, 56, 4460-4468	5.1	26
273	Pyridyl Pyrrolide Boron Complexes: The Facile Generation of Thermally Activated Delayed Fluorescence and Preparation of Organic Light-Emitting Diodes. *Angewandte Chemie*, **2016**, 128, 3069-3073	3.6	26
272	Thiocyanate-Free Ru(II) Sensitizers with a 4,4?-Dicarboxyvinyl-2,2?-bipyridine Anchor for Dye-Sensitized Solar Cells. *Advanced Functional Materials*, **2013**, 23, 2285-2294	15.6	26
271	Effective heating of magnetic nanoparticle aggregates for in vivo nano-theranostic hyperthermia. *International Journal of Nanomedicine*, **2017**, 12, 6273-6287	7.3	26
270	Studies of excited-state properties of multibranched triarylamine end-capped triazines. *Journal of Physical Chemistry A*, **2012**, 116, 12339-48	2.8	26
269	Ru(II) sensitizers bearing dianionic biazolate ancillaries: ligand synergy for high performance dye sensitized solar cells. *Journal of Materials Chemistry A*, **2013**, 1, 7681	13	26
268	Conjugated Dual Hydrogen-Bond Mediating Proton-Transfer Reaction in 3-Hydroxyisoquinoline. *Journal of Physical Chemistry B*, **1998**, 102, 1053-1064	3.4	26
267	The role of the cis-keto triplet state in the proton transfer cycle of 2-(2?-hydroxyphenyl)benzothiazole. *Chemical Physics Letters*, **1992**, 195, 586-590	2.5	26
266	Intramolecular Phosphacyclization: Polyaromatic Phosphonium P-Heterocycles with Wide-Tuning Optical Properties. *Chemistry - A European Journal*, **2019**, 25, 6332-6341	4.8	25
265	Luminescent Diiridium Complexes with Bridging Pyrazolates: Characterization and Fabrication of OLEDs Using Vacuum Thermal Deposition. *Advanced Optical Materials*, **2018**, 6, 1800083	8.1	25
264	Improvement of the Photophysical Performance of Platinum-Cyclometalated Complexes in Halogen-Bonded Adducts. *Chemistry - A European Journal*, **2018**, 24, 11475-11484	4.8	25
263	Homogeneous, surfactant-free gold nanoparticles encapsulated by polythiophene analogues. *Chemical Communications*, **2009**, 1996-8	5.8	25
262	Iridium(I) pyridyl azolate complexes with saturated red metal-to-ligand charge transfer phosphorescence; fundamental and potential applications in organic light-emitting diodes. *Chemistry - A European Journal*, **2007**, 13, 2686-94	4.8	25
261	Osmium complexes with tridentate 6-pyrazol-3-yl 2,2'-bipyridine ligands: coarse tuning of phosphorescence from the red to the near-infrared region. *Chemistry - an Asian Journal*, **2007**, 2, 155-63	4.5	25
260	Design and synthesis of intramolecular hydrogen bonding systems. Their application in metal cation sensing based on excited-state proton transfer reaction. *Tetrahedron*, **2004**, 60, 11861-11868	2.4	25
259	Furan-containing oligoaryl cyclophanene. *Organic Letters*, **2003**, 5, 4381-4	6.2	25

258	Excited-State Double Proton Transfer in 3-Formyl-7-azaindole: Role of the n State in Proton-Transfer Dynamics. *Journal of Physical Chemistry A*, **2000**, 104, 8863-8871	2.8	25
257	Correlation among Hydrogen Bond, Excited-State Intramolecular Proton-Transfer Kinetics and Thermodynamics for OH Type Proton-Donor Molecules. *Journal of Physical Chemistry C*, **2018**, 122, 21833-21840	3.8	25
256	Low Internal Reorganization Energy of the Metal Metal-to-Ligand Charge Transfer Emission in Dimeric Pt(II) Complexes. *Journal of Physical Chemistry C*, **2019**, 123, 10225-10236	3.8	24
255	Highly Efficient Near-Infrared Electroluminescence up to 800 nm Using Platinum(II) Phosphors. *Advanced Functional Materials*, **2020**, 30, 2002173	15.6	24
254	A Facile Molecular Machine: Optically Triggered Counterion Migration by Charge Transfer of Linear Donor-Acceptor Phosphonium Fluorophores. *Angewandte Chemie - International Edition*, **2019**, 58, 13456-13465	16.1	24
253	Sky Blue-Emitting Iridium(III) Complexes Bearing Nonplanar Tetradentate Chromophore and Bidentate Ancillary. *Inorganic Chemistry*, **2017**, 56, 10054-10060	5.1	24
252	Zethrene and dibenzozethrene: masked biradical molecules?. *Angewandte Chemie - International Edition*, **2015**, 54, 3069-73	16.4	24
251	Emissive iridium(III) diimine complexes formed by double cyclometalation of coordinated triphenylphosphite. *Inorganic Chemistry*, **2011**, 50, 5075-84	5.1	24
250	Tris(thiocyanate) Ruthenium(II) Sensitizers with Functionalized Dicarboxyterpyridine for Dye-Sensitized Solar Cells. *Angewandte Chemie*, **2011**, 123, 8420-8424	3.6	24
249	Theoretical Investigation of Cheletroptic Decarbonylation Reactions. *Journal of Chemical Theory and Computation*, **2006**, 2, 1078-1084	6.4	24
248	Comprehensive Studies on Dual Excitation Behavior of Double Proton versus Charge Transfer in 4-(N-Substituted amino)-1H-pyrrolo[2,3-b]pyridines. *Journal of Physical Chemistry A*, **2003**, 107, 1459-1471	2.8	24
247	Excited-State Amino Imino Double-Proton Tautomerism in Adenine Nucleotide Analogues Catalyzed by Carboxylic Acids. *Journal of the American Chemical Society*, **2000**, 122, 9322-9323	16.4	24
246	One-step, room-temperature synthesis of glutathione-capped iron-oxide nanoparticles and their application in in vivo T1-weighted magnetic resonance imaging. *Small*, **2014**, 10, 3962-9	11	23
245	Synthesis, Characterization, and Photophysical Properties of Luminescent Gallium and Indium Complexes Constructed using Tridentate 6-Azolyl-2,2?-bipyridine Chelates. *Organometallics*, **2008**, 27, 80-87	3.8	23
244	Synthesis and characterization of luminescent osmium(II) carbonyl complexes based on chelating dibenzoylmethanate and halide ligands. *Chemical Communications*, **2003**, 3046-7	5.8	23
243	Excited-State Double-Proton Transfer on 3-Methyl-7-azaindole in a Single Crystal: Deuterium Isotope/Tunneling Effect. *Journal of Physical Chemistry A*, **2002**, 106, 8006-8012	2.8	23
242	Highly Twisted Dianchoring D-A Sensitizers for Efficient Dye-Sensitized Solar Cells. *ACS Applied Materials & Interfaces*, **2016**, 8, 27832-27842	9.5	23
241	Harnessing Fluorescence versus Phosphorescence Ratio via Ancillary Ligand Fine-Tuned MLCT Contribution. *Journal of Physical Chemistry C*, **2016**, 120, 12196-12206	3.8	22

240	Phenothiazine Scope: Steric Strain Induced Planarization and Excimer Formation. *Angewandte Chemie - International Edition*, **2019**, 58, 13297-13301	16.4	22
239	4,4',5,5'-Tetracarboxy-2,2'-bipyridine Ru(II) sensitizers for dye-sensitized solar cells. *Inorganic Chemistry*, **2014**, 53, 8593-9	5.1	22
238	Origins of device performance in dicarboxyterpyridine Ru(II) dye-sensitized solar cells. *Physical Chemistry Chemical Physics*, **2012**, 14, 14190-5	3.6	22
237	Design and synthesis of trithiophene-bound excited-state intramolecular proton transfer dye: enhancement on the performance of bulk heterojunction solar cells. *ACS Applied Materials & Interfaces*, **2010**, 2, 1621-9	9.5	22
236	pH-Dependent spectroscopic and luminescent properties, and metal-ion recognition studies of Re(I) complexes containing 2-(2'-pyridyl)benzimidazole and 2-(2'-pyridyl)benzimidazolate. *Inorganic Chemistry*, **2011**, 50, 5379-88	5.1	22
235	Cu(I) chelated poly-alkoxythiophene enhancing photovoltaic device composed of a P3HT/PCBM heterojunction system. *Journal of Materials Chemistry*, **2008**, 18, 4297		22
234	Reactions of the (2-pyridyl) pyrrolide platinum(II) complex driven by sterically encumbered chelation: a model for the reversible attack of alcohol at the coordinated carbon monoxide. *Inorganic Chemistry*, **2008**, 47, 5154-61	5.1	22
233	The phane properties of anti-[2.2](1,4)biphenylenophane. *Journal of Organic Chemistry*, **2005**, 70, 3560-8	4.2	22
232	Proton-Transfer Tautomerism in 10-Hydroxybenzo[h]quinolines: Heavy Atom Effects and Non-Hydrogen-Bonded Photorotamer Formation in 77 K Glassy Matrixes. *Journal of Physical Chemistry A*, **2002**, 106, 5967-5973	2.8	22
231	Photoinduced Double Proton Tautomerism in 4-Azabenzimidazole. *Journal of Physical Chemistry B*, **1999**, 103, 10042-10052	3.4	22
230	Synthesis and spectroscopic studies of 4-Formyl-4'-N,N-dimethylamino-1,1'-biphenyl: The unusual red edge effect and efficient laser generation. *Journal of Fluorescence*, **1995**, 5, 369-75	2.4	22
229	Fabrication of Circularly Polarized MR-TADF Emitters with Asymmetrical Peripheral-Lock Enhancing Helical B/N-Doped Nanographenes. *Advanced Materials*, **2021**, e2105080	24	22
228	Silver Alkynyl-Phosphine Clusters: An Electronic Effect of the Alkynes Defines Structural Diversity. *Organometallics*, **2017**, 36, 480-489	3.8	21
227	Michael Kasha: from photochemistry and flowers to spectroscopy and music. *Angewandte Chemie - International Edition*, **2014**, 53, 14316-24	16.4	21
226	Entropy-based time-varying window width selection for nonlinear-type time–frequency analysis. *International Journal of Data Science and Analytics*, **2017**, 3, 231-245	2	21
225	Multifunctional silica-coated iron oxide nanoparticles: a facile four-in-one system for in situ study of neural stem cell harvesting. *Faraday Discussions*, **2014**, 175, 13-26	3.6	21
224	15-Crown-5 Functionalized Au Nanoparticles Synthesized via Single Molecule Exchange on Silica Nanoparticles: Its Application to Probe 15-Crown-5/K+/15-Crown-5 Sandwiches as Linking Mechanisms. *Journal of Physical Chemistry C*, **2009**, 113, 1686-1693	3.8	21
223	Homogenous, far-reaching tuning and highly emissive QD–silica core–shell nanocomposite synthesized via a delay photoactive procedure; their applications in two-photon imaging of human mesenchymal stem cells. *Journal of Materials Chemistry*, **2009**, 19, 8314		21

222	Can an OH radical form a strong hydrogen bond? A theoretical comparison with H2O. *Journal of Computational Chemistry*, **2007**, 28, 1357-63	3.5	21
221	Probing Triplet State Properties of Organic Chromophores via Design and Synthesis of Os(II)-Diketonate Complexes: The Triplet State Intramolecular Charge Transfer. *Journal of Physical Chemistry B*, **2004**, 108, 19908-19911	3.4	21
220	Excited-State Double Proton Transfer in 7-Azaindole Analogues: Observation of Molecular-Based Tuning Proton-Transfer Tautomerism. *Journal of the American Chemical Society*, **1999**, 121, 12186-12187	16.4	21
219	The role of host□guest interactions in organic emitters employing MR-TADF. *Nature Photonics*, **2021**, 15, 780-786	33.9	21
218	Infrared-active quadruple contrast FePt nanoparticles for multiple scale molecular imaging. *Biomaterials*, **2016**, 85, 54-64	15.6	20
217	Water-soluble noncovalent adducts of the heterometallic copper subgroup complexes and human serum albumin with remarkable luminescent properties. *Chemical Communications*, **2014**, 50, 849-51	5.8	20
216	Structural tuning of ancillary chelate in tri-carboxyterpyridine Ru(II) sensitizers for dye sensitized solar cells. *Journal of Materials Chemistry A*, **2014**, 2, 5418-5426	13	20
215	Synthesis, characterization and photophysical properties of PPh2-C2-(C6H4)n-C2-PPh2 based bimetallic Au(I) complexes. *Dalton Transactions*, **2012**, 41, 937-45	4.3	20
214	Insulin-Directed Synthesis of Fluorescent Gold Nanoclusters: Preservation of Insulin Bioactivity and Versatility in Cell Imaging. *Angewandte Chemie*, **2011**, 123, 7194-7198	3.6	20
213	Diaza-18-crown-6 appended dual 7-hydroxyquinolines; mercury ion recognition in aqueous solution. *Chemical Communications*, **2008**, 2438-40	5.8	20
212	Novel oxazabicycles as a new class of photochromic colorants. *Organic Letters*, **2007**, 9, 5287-90	6.2	20
211	Rhodizonate metal complexes with a 2D chairlike M6 metal-organic framework: [M(C6O6)(bpym)(H2O)].n H2O. *Angewandte Chemie - International Edition*, **2004**, 43, 4507-10	16.4	20
210	Temperature-dependent study of the ground-state reverse proton transfer of 3-hydroxyflavone. *Chemical Physics Letters*, **1989**, 158, 345-350	2.5	20
209	Roles of Ancillary Chelates and Overall Charges of Bis-tridentate Ir(III) Phosphors for OLED Applications. *ACS Applied Materials & Interfaces*, **2020**, 12, 1084-1093	9.5	20
208	High efficiency green InP quantum dot light-emitting diodes by balancing electron and hole mobility. *Communications Materials*, **2021**, 2,	6	20
207	Mechanochromism induced through the interplay between excimer reaction and excited state intramolecular proton transfer. *Communications Chemistry*, **2019**, 2,	6.3	19
206	Imaging Endogenous Bilirubins with Two-Photon Fluorescence of Bilirubin Dimers. *Analytical Chemistry*, **2015**, 87, 7575-82	7.8	19
205	Luminescent Gold(I) Alkynyl Clusters Stabilized by Flexible Diphosphine Ligands. *Organometallics*, **2014**, 33, 2363-2371	3.8	19

204	Probing water environment of Trp59 in ribonuclease T1: insight of the structure-water network relationship. *Journal of Physical Chemistry B*, **2015**, 119, 2157-67	3.4	19
203	Resonant Energy Transfer between CdSe/ZnS Type I and CdSe/ZnTe Type II Quantum Dots. *Journal of Physical Chemistry C*, **2009**, 113, 15548-15552	3.8	19
202	Photophysical Properties of (O2(1Σg))2 and O2(1) in Solution Phase. *Journal of Physical Chemistry A*, **1997**, 101, 8581-8586	2.8	19
201	Synthesis of 7-azaserotonin: its photophysical properties associated with excited state proton transfer reaction. *Journal of the American Chemical Society*, **2006**, 128, 14426-7	16.4	19
200	Photoinduced electron transfer reaction tuned by donor□cceptor pairs via the rigid, linear spacer heptacyclo[6.6.0.02,6.03,13.04,11.05,9.010,14]tetradecane. *Tetrahedron*, **2003**, 59, 5719-5730	2.4	19
199	Reactions of Cyclometalated Platinum(II) [Pt(NC)(PR)Cl] Complexes with Imidazole and Imidazole-Containing Biomolecules: Fine-Tuning of Reactivity and Photophysical Properties via Ligand Design. *Inorganic Chemistry*, **2019**, 58, 204-217	5.1	19
198	Near-Infrared Emission Induced by Shortened Pt-Pt Contact: Diplatinum(II) Complexes with Pyridyl Pyrimidinato Cyclometalates. *Inorganic Chemistry*, **2019**, 58, 13892-13901	5.1	18
197	Triphosphine-supported bimetallic Au(I)-M(I) (M = Ag, Cu) alkynyl clusters. *Dalton Transactions*, **2014**, 43, 3383-94	4.3	18
196	Evidence on the O2(1Σg) Dimol-Sensitized Luminescence in Solution. *Journal of the American Chemical Society*, **1998**, 120, 4883-4884	16.4	18
195	Excited-state intramolecular proton transfer in the kinetic-control regime. *Physical Chemistry Chemical Physics*, **2020**, 22, 22271-22278	3.6	18
194	Tuning the Conformation and Color of Conjugated Polyheterocyclic Skeletons by Installing ortho-Methyl Groups. *Angewandte Chemie*, **2018**, 130, 10028-10032	3.6	17
193	Copper-mediated phospha-annulation to attain water-soluble polycyclic luminophores. *Chemical Communications*, **2017**, 53, 10954-10957	5.8	17
192	In vivo metabolic imaging of insulin with multiphoton fluorescence of human insulin-Au nanodots. *Small*, **2013**, 9, 2103-10, 2102	11	17
191	Organic Dyes with Excited-State Transformations (Electron, Charge, and Proton Transfers). *Springer Series on Fluorescence*, **2010**, 225-266	0.5	17
190	One-pot solvothermal synthesis of FePt/Fe3O4 core-shell nanoparticles. *Chemical Communications*, **2008**, 5342-4	5.8	17
189	Coordination of fluoro ligands toward sodium ions makes the difference: aqua sodium ions act as Br□sted acids in polymerization of vinyl ethers and styrenes. *Inorganic Chemistry*, **2006**, 45, 7590-2	5.1	17
188	Fluorescence Probes Exhibit Photoinduced Structural Planarization: Sensing and Microscopic Dynamics of Viscosity Free from Polarity Interference. *ACS Chemical Biology*, **2020**, 15, 1862-1873	4.9	16
187	Methoxy substituents activated carbazole-based boron dimesityl TADF emitters. *Journal of Materials Chemistry C*, **2020**, 8, 4780-4788	7.1	16

186	Perylene Bisimide and Naphthyl-Based Molecular Dyads: Hydrogen Bonds Driving Co-planarization and Anomalous Temperature-Response Fluorescence. *Angewandte Chemie - International Edition*, **2020**, 59, 8579-8585	16.4	16
185	Water-soluble cyclometalated platinum(ii) and iridium(iii) complexes: synthesis, tuning of the photophysical properties, and and phosphorescence lifetime imaging.. *RSC Advances*, **2018**, 8, 17224-17236	3.7	16
184	Design of Os(II) -based sensitizers for dye-sensitized solar cells: influence of heterocyclic ancillaries. *ChemSusChem*, **2013**, 6, 1366-75	8.3	16
183	All chemically deposited, annealing and mesoporous metal oxide free CdSe solar cells. *Chemical Communications*, **2011**, 47, 3448-50	5.8	16
182	Dual fluorescent photochromic colorants bearing pyrano[3,2-c]chromen-5-one moiety. *Journal of Physical Chemistry A*, **2009**, 113, 9321-8	2.8	16
181	Modulate photoinduced electron transfer efficiency of bipolar dendritic systems. *Organic Letters*, **2008**, 10, 3211-4	6.2	16
180	A new series of pyrimidine-containing linear molecules: their elegant crystal structures and intriguing photophysical properties. *Journal of Organic Chemistry*, **2004**, 69, 8038-44	4.2	16
179	Reinvestigation of solvent catalyzed ground-state reverse proton transfer in 7-hydroxyquinoline. *Chemical Physics Letters*, **1995**, 235, 463-470	2.5	16
178	Fluorescent Chromophores Containing the Nitro Group: Relatively Unexplored Emissive Properties. *ChemPlusChem*, **2021**, 86, 11-27	2.8	16
177	Iridium(III) Complexes Bearing Tridentate Chromophoric Chelate: Phosphorescence Fine-Tuned by Phosphine and Hydride Ancillary. *Inorganic Chemistry*, **2018**, 57, 8287-8298	5.1	16
176	Versatile Pt(II) Pyrazolate Complexes: Emission Tuning via Interplay of Chelate Designs and Stacking Assemblies. *ACS Applied Materials & Interfaces*, **2020**, 12, 16679-16690	9.5	15
175	Comprehensive study of medium-bandgap conjugated polymer merging a fluorinated quinoxaline with branched side chains for highly efficient and air-stable polymer solar cells. *Journal of Materials Chemistry A*, **2014**, 2, 20203-20212	13	15
174	Studies of two-photon property of intensely luminescent alkynyl-phosphine gold(I)-copper(I) complexes. *Journal of Physical Chemistry A*, **2009**, 113, 9270-6	2.8	15
173	Photoisomerization of a maleonitrile-type salen Schiff base and its application in fine-tuning infinite coordination polymers. *Chemistry - A European Journal*, **2010**, 16, 3770-82	4.8	15
172	Solvation emission spectral peaks of single molecular oxygen. *Chemical Physics Letters*, **1984**, 103, 281-284	2.5	15
171	Room-temperature phosphorescence from small organic systems containing a thiocarbonyl moiety. *Physical Chemistry Chemical Physics*, **2017**, 19, 8896-8901	3.6	14
170	A study of the competitive multiple hydrogen bonding effect and its associated excited-state proton transfer tautomerism. *Physical Chemistry Chemical Physics*, **2017**, 19, 28641-28646	3.6	14
169	Ratiometric Tuning of Luminescence: Interplay between the Locally Excited and Interligand Charge-Transfer States in Pyrazolate-Based Boron Compounds. *Journal of Physical Chemistry C*, **2019**, 123, 4022-4028	3.8	14

168	Luminescence quenching of Re(I) molecular rectangles by quinones. *Dalton Transactions*, **2010**, 39, 2928-35	4.5	14
167	Multifunctional Mesoporous Silica-Coated Hollow Manganese Oxide Nanoparticles for Targeted Optical Imaging,T1 Magnetic Resonance Imaging and Photodynamic Therapy. *Materials Express*, **2011**, 1, 136-143	1.3	14
166	Theoretical study on the double proton transfer in a hetero-hydrogen-bonded dimer of 11-propyl-6H-indolo-[2,3-b]quinoline (6HIQ) and 7-azaindole (7AI). *Chemical Physics Letters*, **2010**, 485, 226-230	2.5	14
165	Influences of light intensity on fluorescence lifetime of nanorods and quantum dots. *Applied Physics Letters*, **2008**, 93, 223110	3.4	14
164	Thermal generation of pentacene from soluble precursors through expulsion of carbon dioxide. *Tetrahedron Letters*, **2008**, 49, 4494-4497	2	14
163	Isomerization reactions of RSNO (R=H, C n H2n+1 n□4). *Theoretical Chemistry Accounts*, **2006**, 117, 145-152	2.9	14
162	Stereoselective recognition of tripeptides guided by encoded library screening: construction of chiral macrocyclic tetraamide ruthenium receptor for peptide sensing. *Journal of Organic Chemistry*, **2005**, 70, 2026-32	4.2	14
161	The Ground- and Excited-State (1n□ and1□) Carboxylic Acid-Catalyzed Proton (Hydrogen Atom)-Transfer Energy Surfaces in 3-Formyl-7-azaindole. *Journal of Physical Chemistry A*, **2001**, 105, 10475-10482	2.8	14
160	Blue-emitting bis-tridentate Ir(III) phosphors: OLED performances vs. substituent effects. *Journal of Materials Chemistry C*, **2018**, 6, 10486-10496	7.1	14
159	Tuning Electron-Withdrawing Strength on Phenothiazine Derivatives: Achieving 100 % Photoluminescence Quantum Yield by NO Substitution. *Chemistry - A European Journal*, **2020**, 26, 7124-7130	4.8	13
158	Strategic Design of Three-Dimensional (3D) Urchin-Like Pt□Ni Nanoalloys: How This Unique Nanostructure Boosts the Bulk Heterojunction Polymer Solar Cells Efficiency to 8.48%. *Chemistry of Materials*, **2014**, 26, 7029-7038	9.6	13
157	Stepwise formation of iridium(III) complexes with monocyclometalating and dicyclometalating phosphorus chelates. *Inorganic Chemistry*, **2012**, 51, 1785-95	5.1	13
156	A new type of donor□cceptor dye bridged by the bidentate moiety; metal ion complexation enhancing DSSC performance. *Journal of Materials Chemistry*, **2011**, 21, 4090		13
155	One-pot synthesis of substituted benzene via intermolecular [2+2+2] cycloaddition catalyzed by air-stable Ru(II)-complex. *Dalton Transactions*, **2011**, 40, 3748-53	4.3	13
154	Metalated Ir(III) Complexes Based on the Luminescent Diimine Ligands: Synthesis and Photophysical Study. *Inorganic Chemistry*, **2018**, 57, 6853-6864	5.1	13
153	Mesoporous Silica Promoted Deposition of Bioinspired Polydopamine onto Contrast Agent: A Universal Strategy to Achieve Both Biocompatibility and Multiple Scale Molecular Imaging. *Particle and Particle Systems Characterization*, **2017**, 34, 1600415	3.1	12
152	One-Pot Dichotomous Construction of Inside-Azayohimban and Pro-Azayohimban Systems via an Enantioselective Organocatalytic Cascade; Their Use as a Model to Probe the (Aza-)Indole Local Solvent Environment. *Organic Letters*, **2015**, 17, 5816-9	6.2	12
151	7-Azamelatonin: efficient synthetic routes, excited-state double proton transfer properties and biomedical implications. *ChemMedChem*, **2007**, 2, 1071-5	3.7	12

150	Photoinduced electron transfer across linearly fused oligo-norbornyl structures. *Tetrahedron*, **2005**, 61, 6967-6975	2.4	12
149	Time-resolved O21□-->3□□chemiluminescence upon UV laser photolysis of an aromatic endoperoxide in aqueous solution. *Chemical Physics Letters*, **1986**, 129, 463-467	2.5	12
148	Rational Tuning of Bis-Tridentate Ir(III) Phosphors to Deep-Blue with High Efficiency and Sub-microsecond Lifetime. *ACS Applied Materials & Interfaces*, **2021**, 13, 15437-15447	9.5	12
147	A silver metal complex as a luminescent probe for enzymatic sensing of glucose in blood plasma and urine. *Dalton Transactions*, **2018**, 47, 8346-8355	4.3	12
146	Tuning the Circular Dichroism and Circular Polarized Luminescence Intensities of Chiral 2D Hybrid Organic-Inorganic Perovskites through Halogenation of the Organic Ions. *Angewandte Chemie - International Edition*, **2021**, 60, 21434-21440	16.4	12
145	Zethrene and Dibenzozethrene: Masked Biradical Molecules?. *Angewandte Chemie*, **2015**, 127, 3112-3116	3.6	11
144	Validated Analysis of Component Distribution Inside Perovskite Solar Cells and Its Utility in Unveiling Factors of Device Performance and Degradation. *ACS Applied Materials & Interfaces*, **2020**, 12, 22730-22740	9.5	11
143	Probing ligand binding to thromboxane synthase. *Biochemistry*, **2013**, 52, 1113-21	3.2	11
142	A water soluble and air-stable tripalladium cluster. *Dalton Transactions*, **2012**, 41, 5782-4	4.3	11
141	Engineering of Osmium(II)-Based Light Absorbers for Dye-Sensitized Solar Cells. *Angewandte Chemie*, **2012**, 124, 5740-5744	3.6	11
140	The sensitized O2(1□) dimol luminescence in solution. *Chemical Physics Letters*, **1997**, 280, 134-140	2.5	11
139	Phase Separation Inside the CdTe□□dSe Type II Quantum Dots Revealed by Synchrotron X-ray Diffraction and Scattering. *Journal of Physical Chemistry C*, **2008**, 112, 9617-9622	3.8	11
138	Two-photon absorption chromophores with a tunable [2,2?]bithiophene core. *Tetrahedron*, **2006**, 62, 8467-8473	2.4	11
137	Diversified Excited-State Relaxation Pathways of Donor-Linker-Acceptor Dyads Controlled by a Bent-to-Planar Motion of the Donor. *Angewandte Chemie - International Edition*, **2020**, 59, 18611-18618	16.4	10
136	Geometrical isomerism of Ru(II) dye-sensitized solar cell sensitizers and effects on photophysical properties and device performances. *ChemPhysChem*, **2014**, 15, 1207-15	3.2	10
135	Phosphorescent PtII Systems Featuring Both 2,2?-Dipyridylamine and 1,3,5-Triazapentadiene Ligands. *European Journal of Inorganic Chemistry*, **2014**, 2014, 4101-4108	2.3	10
134	Resonance-enhanced dipolar interaction between terahertz photons and confined acoustic phonons in nanocrystals. *Applied Physics Letters*, **2008**, 92, 093122	3.4	10
133	Cyano analogues of 7-azaindole: probing excited-state charge-coupled proton transfer reactions in protic solvents. *ChemPhysChem*, **2008**, 9, 2221-9	3.2	10

132	Excited-state intramolecular proton transfer for N-substituted-3-hydroxypyridinones. *Chemical Physics Letters*, **1994**, 220, 229-234	2.5	10
131	PHOTOOXYGENATION OF 3-HYDROXYFLAVONE IN A 12 K O2 MATRIX. *Photochemistry and Photobiology*, **1991**, 53, 587-593	3.6	10
130	Studies of T2->S2 intersystem crossing for coumarins. *Chemical Physics Letters*, **1992**, 188, 49-53	2.5	10
129	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. *ACS Applied Materials & Interfaces*, **2020**, 12, 2724-2732	9.5	10
128	A Universal Approach for Controllable Synthesis of n-Specific Layered 2D Perovskite Nanoplates. *Angewandte Chemie - International Edition*, **2021**, 60, 7866-7872	16.4	10
127	Dinaphthozethrene and Diindenozethrene: Synthesis, Structural Analysis, and Properties. *Organic Letters*, **2016**, 18, 1868-71	6.2	10
126	The In Situ Tryptophan Analogue Probes the Conformational Dynamics in Asparaginase Isozymes. *Biophysical Journal*, **2016**, 110, 1732-1743	2.9	10
125	Low-toxicity FePt nanoparticles for the targeted and enhanced diagnosis of breast tumors using few centimeters deep whole-body photoacoustic imaging. *Photoacoustics*, **2020**, 19, 100179	9	10
124	Networking hole and electron hopping paths by Y-shaped host molecules: promoting blue phosphorescent organic light emitting diodes. *Journal of Materials Chemistry C*, **2017**, 5, 3600-3608	7.1	9
123	New exciplex systems composed of triazatruxene donors and N-heteroarene-cored acceptors. *Materials Chemistry Frontiers*, **2020**, 4, 2029-2039	7.8	9
122	Phenothiazine Scope: Steric Strain Induced Planarization and Excimer Formation. *Angewandte Chemie*, **2019**, 131, 13431-13435	3.6	9
121	Mono-Heteroatom Substitution for Harnessing Excited-State Structural Planarization of Dihydrodibenzo[a,c]phenazines. *Chemistry - A European Journal*, **2019**, 25, 16755	4.8	9
120	Highly Efficient Dye-Sensitized Solar Cells Based on Panchromatic Ruthenium Sensitizers with Quinolinylbipyridine Anchors. *Angewandte Chemie*, **2014**, 126, 182-187	3.6	9
119	Novel oxygen sensor based on terfluorene thin-film and its enhanced sensitivity by stimulated emission. *Journal of Materials Chemistry*, **2012**, 22, 13446		9
118	Probing the interaction between prostacyclin synthase and prostaglandin H2 analogues or inhibitors via a combination of resonance Raman spectroscopy and molecular dynamics simulation approaches. *Journal of the American Chemical Society*, **2011**, 133, 18870-9	16.4	9
117	A new recognition concept using dye sensitized solar cell configuration. *Chemical Communications*, **2011**, 47, 985-7	5.8	9
116	A computational study on the capability of borane-cyclic boryl anion adducts to act as hydrogen atom donors. *Journal of Computational Chemistry*, **2010**, 31, 2258-62	3.5	9
115	Photoinduced electron transfer reactions across rigid linear spacer groups of high symmetry. *Tetrahedron Letters*, **2002**, 43, 8115-8119	2	9

114	Dynamics of ground-state reverse proton transfer in the 7-azaindole/carboxylic acid systems. *Chemical Physics Letters*, **2003**, 370, 139-146	2.5	9
113	Studies of the triplet state of the proton-transfer tautomer in salicylaldehydes. *Chemical Physics Letters*, **2003**, 370, 747-755	2.5	9
112	Excited-state proton transfer spectroscopy of 3-hydroxypicolinamide. *Chemical Physics Letters*, **1989**, 161, 361-367	2.5	9
111	Probing the polarity and water environment at the protein-peptide binding interface using tryptophan analogues. *Biochemistry and Biophysics Reports*, **2016**, 7, 113-118	2.2	9
110	Broadening the Horizon of the Bell-Evans-Polanyi Principle towards Optically Triggered Structure Planarization. *Angewandte Chemie - International Edition*, **2021**, 60, 7205-7212	16.4	9
109	Fluorescence depletion properties of insulin-gold nanoclusters. *Biomedical Optics Express*, **2015**, 6, 3066-73	3.5	8
108	A new insight into the chemistry of iridium(III) complexes bearing phenyl phenylphosphonite cyclometalate and chelating pyridyl triazolate: the excited-state proton transfer tautomerism via an inter-ligand PO-H□□N hydrogen bond. *Dalton Transactions*, **2015**, 44, 8406-18	4.3	8
107	Toward the Rational Design of Universal Dual Polarity Matrix for MALDI Mass Spectrometry. *Analytical Chemistry*, **2020**, 92, 7139-7145	7.8	8
106	Excited-State Proton Transfer in 3-Cyano-7-azaindole: From Aqueous Solution to Ice. *Journal of Physical Chemistry A*, **2018**, 122, 2479-2484	2.8	8
105	Catalytic-Type Excited-State N-H Proton-Transfer Reaction in 7-Aminoquinoline and Its Derivatives. *Chemistry - A European Journal*, **2019**, 25, 14972-14982	4.8	8
104	An unexpected semi-hydrogenation of a ligand in the complexation of 2,7-bispyridinyl-1,8-naphthyridine with Ru3(CO)12. *Dalton Transactions*, **2014**, 43, 3557-62	4.3	8
103	Coordination study of ruthenium(II) complexes containing a mixed donor (P□N) ligand. *Polyhedron*, **2012**, 35, 23-30	2.7	8
102	Direct spectroscopic measurements of 1□ O2 production by thermodecomposition and UV (266 nm) photolysis of benzaldehyde hydrotrioxide. *Chemical Physics Letters*, **1990**, 174, 46-52	2.5	8
101	Thermal and angular dependence of next-generation photovoltaics under indoor lighting. *Progress in Photovoltaics: Research and Applications*, **2020**, 28, 111-121	6.8	8
100	Superior Stability and Emission Quantum Yield (23% □ 3%) of Single-Layer 2D Tin Perovskite TEA SnI via Thiocyanate Passivation. *Small*, **2020**, 16, e2000903	11	8
99	Chapter Open for the Excited-State Intramolecular Thiol Proton Transfer in the Room-Temperature Solution. *Journal of the American Chemical Society*, **2021**, 143, 12715-12724	16.4	8
98	Cross-linkable hole transporting layers boost operational stability of high-performance quantum dot light-emitting device. *Organic Electronics*, **2019**, 71, 206-211	3.5	7
97	A Facile Molecular Machine: Optically Triggered Counterion Migration by Charge Transfer of Linear Donor-□Acceptor Phosphonium Fluorophores. *Angewandte Chemie*, **2019**, 131, 13590-13599	3.6	7

96	Harvesting Fluorescence from Efficient Tk -> Sj (j, k > 1) Reverse Intersystem Crossing for Emissive Transition-Metal Complexes. *Journal of Physical Chemistry C*, **2013**, 117, 20494-20499	3.8	7
95	Halogen Bonding to Amplify Luminescence: A Case Study Using a Platinum Cyclometalated Complex. *Angewandte Chemie*, **2015**, 127, 14263-14266	3.6	7
94	A New Molecular Recognition Concept: Multiple Hydrogen Bonds and Their Optically Triggered Proton Transfer in Confined Metal-Organic Frameworks for Superior Sensing Element. *ACS Applied Materials & Interfaces*, **2021**, 13, 22457-22465	9.5	7
93	Vertical 2D/3D Heterojunction of Tin Perovskites for Highly Efficient HTM-Free Perovskite Solar Cell. *ACS Applied Energy Materials*, **2021**, 4, 2041-2048	6.1	7
92	The Quest of Excited-State Intramolecular Proton Transfer via Eight-Membered Ring Conjugated Hydrogen Bonding System. *Chemistry - an Asian Journal*, **2017**, 12, 3010-3015	4.5	6
91	Enhancing the Catalytic Activity of Tri-iodide Reduction by Tuning the Surface Electronic Structure of PtPd Alloy Nanocrystals. *Journal of Physical Chemistry C*, **2019**,	3.8	6
90	Insights into energy transfer pathways between the exciplex host and fluorescent guest: attaining highly efficient 710 nm electroluminescence. *Journal of Materials Chemistry C*, **2020**, 8, 5704-5714	7.1	6
89	Control of stacking in carbazole-benzimidazo<1,2-f>phenanthridines: the design of electron-transporting bipolar hosts for phosphorescent organic light-emitting diodes. *Journal of Materials Chemistry C*, **2020**, 8, 3571-3579	7.1	6
88	The Cyclic Hydrogen-Bonded 6-Azaindole Trimer and its Prominent Excited-State Triple-Proton-Transfer Reaction. *Angewandte Chemie - International Edition*, **2018**, 57, 5020-5024	16.4	6
87	Syntheses and Excited-State Intramolecular Proton Transfer of 3-Hydroxythioflavone and Its Sulfone Analogue. *ChemPhotoChem*, **2018**, 2, 475-480	3.3	6
86	The theoretical comparison between two model NO carriers, MeSNO and MeSeNO. *Journal of Molecular Modeling*, **2008**, 14, 1-9	2	6
85	A Computational Study on the Kinetic Stability of Cyclic Boryl Anions~!2007-12-13~!2008-05-13~!2008-06-11~!. *The Open Chemical Physics Journal*, **2008**, 1, 51-61		6
84	[2,2](5,8)Picenophanedienes: Syntheses, Structural Analyses, Molecular Dynamics, and Reversible Intramolecular Structure Conversion. *Journal of the American Chemical Society*, **2020**,	16.4	6
83	Cationic Organophosphorus Chromophores: A Diamond in the Rough among Ionic Dyes. *Chemistry - A European Journal*, **2021**, 27, 537-552	4.8	6
82	Through-Space Exciton Delocalization in Segregated HJ-Crystalline Molecular Aggregates. *Journal of Physical Chemistry A*, **2021**, 125, 943-953	2.8	6
81	Detecting Glucose Levels in Blood Plasma and Artificial Tear by Au(I) Complex on the Carbopol Polymer: A Microfluidic Paper-Based Method. *Polymers*, **2018**, 10,	4.5	6
80	Studies of carrier recombination in solution-processed CuIn(S,Se)2 through photoluminescence spectroscopy. *Applied Physics Letters*, **2013**, 102, 063902	3.4	5
79	One-Pot Synthesis of Highly Emissive, Green-to-Red (ZnS)x -Cu0.1 InS1.55 /ZnS Core/Shell Nanoparticles via Surfactant Induced Nucleation Process. *Materials Express*, **2012**, 2, 224-232	1.3	5

78	Nd-doped silicon nanowires with room temperature ferromagnetism and infrared photoemission. *Applied Physics Letters*, **2009**, 94, 263117	3.4	5
77	A systematic study of the stabilities of cyclic boryl anions. *Journal of Molecular Modeling*, **2010**, 16, 713-23	2	5
76	Photophysical properties of (O2(1Δg))2 in solution phase. *Chemical Physics Letters*, **1998**, 294, 579-583	2.5	5
75	Comment on "On the Evidence Obtained by Exciting 7-Azaindole at 320 nm in 10-2 M Solutions" *Journal of Physical Chemistry A*, **2003**, 107, 5640-5641	2.8	5
74	Multiple fluorescences in para-N,N-diethylaminosalicylic acid. *Chemical Physics Letters*, **1992**, 198, 188-192	2.5	5
73	Excimer Formation of Perylene Bisimide Dyes within Stacking-Restrained Folda-Dimers: Insight into Anomalous Temperature Responsive Dual Fluorescence. *CCS Chemistry*,1921-1932	7.2	5
72	Tuning the Circular Dichroism and Circular Polarized Luminescence Intensities of Chiral 2D Hybrid Organic–Inorganic Perovskites through Halogenation of the Organic Ions. *Angewandte Chemie*, **2021**, 133, 21604-21610	3.6	5
71	Homoleptic Ir(III) Phosphors with 2-Phenyl-1,2,4-triazol-3-ylidene Chelates for Efficient Blue Organic Light-Emitting Diodes. *ACS Applied Materials & Interfaces*, **2021**,	9.5	5
70	Engineered core-shell magnetic nanoparticle for MR dual-modal tracking and safe magnetic manipulation of ependymal cells in live rodents. *Nanotechnology*, **2018**, 29, 015102	3.4	4
69	On the dual phosphorescence of xanthone and chromone in glassy hydrocarbon hosts. *Photochemistry and Photobiology*, **2015**, 91, 576-85	3.6	4
68	Piezoelectricity-induced terahertz photon absorption by confined acoustic phonons in wurtzite CdSe nanocrystals. *Physical Review B*, **2008**, 77,	3.3	4
67	A new class of laser dyes, 2-oxa-bicyclo[3.3.0]octa-4,8-diene-3,6-diones, with unity fluorescence yield. *Chemical Communications*, **2006**, 2693-5	5.8	4
66	Comment on "Ground-State Triple Proton Transfer in 7-Hydroxyquinoline. 4. Observation in Room-Temperature Methanol and Aqueous Solutions" *Journal of Physical Chemistry B*, **1998**, 102, 3305-3305	3.4	4
65	REINVESTIGATION OF THE PHOTOPHYSICS OF 2-(2?-HYDROXY-4?-DIETHYLAMINOPHENYL)BENZOTHIAZOLE. *Photochemistry and Photobiology*, **1993**, 57, 593-596	3.6	4
64	The influence of tetraphenylethylene moieties on the emissive properties of dipyrrolonaphthyridinediones. *Journal of Materials Chemistry C*, **2018**, 6, 12306-12313	7.1	4
63	The azatryptophan-based fluorescent platform for in vitro rapid screening of inhibitors disrupting IKKγ–NEMO interaction. *Bioorganic Chemistry*, **2018**, 81, 504-511	5.1	4
62	Polystyrene with Persistently Enhanced Fluorescence: Photo-Induced Atom Transfer Radical Polymerization Using a Pyrene-Based Initiator. *ChemPhotoChem*, **2019**, 3, 1153-1161	3.3	3
61	In vivo imaging of insulin-secreting human pancreatic ductal cells using MRI reporter gene technique: A feasibility study. *Magnetic Resonance in Medicine*, **2019**, 82, 763-774	4.4	3

60	Perylene Bisimide and Naphthyl-Based Molecular Dyads: Hydrogen Bonds Driving Co-planarization and Anomalous Temperature-Response Fluorescence. *Angewandte Chemie*, **2020**, 132, 8657-8663	3.6	3
59	Delayed Charge Recombination by Open-Shell Organics: Its Application in Achieving Superb Photodetectors with Broadband (400–1160 nm) Ultrahigh Sensitivity and Stability. *Advanced Optical Materials*, **2020**, 8, 1902179	8.1	3
58	The Cyclic Hydrogen-Bonded 6-Azaindole Trimer and its Prominent Excited-State Triple-Proton-Transfer Reaction. *Angewandte Chemie*, **2018**, 130, 5114-5118	3.6	3
57	Unveiling the water-associated conformational mobility in the active site of ascorbate peroxidase. *Biochimica Et Biophysica Acta - General Subjects*, **2018**, 1862, 451-459	4	3
56	Platinum(II)-Mediated Double Coupling of 2,3-Diphenylmaleimidine with Nitrile Functionalities To Give Annulated Pentaazanonatetraenate (PANT) Systems. *European Journal of Inorganic Chemistry*, **2016**, 2016, 1480-1487	2.3	3
55	Effects of amorphous poly(3-hexylthiophene) on active-layer structure and solar cells performance. *Journal of Polymer Science, Part B: Polymer Physics*, **2016**, 54, 975-985	2.6	3
54	A theoretical study of thermodynamics and kinetics of nitrosamines: a potential no carrier. *Theoretical Chemistry Accounts*, **2008**, 119, 453-462	1.9	3
53	Time-Resolved Thermal Lensing Studies on Metastable Species. *Journal of the Chinese Chemical Society*, **2003**, 50, 31-39	1.5	3
52	Excited-State Double Proton Transfer in 1-Azacarbazole Hydrogen Bonded Complexes. *Journal of the Chinese Chemical Society*, **1996**, 43, 463-472	1.5	3
51	A new approach exploiting thermally activated delayed fluorescence molecules to optimize solar thermal energy storage.. *Nature Communications*, **2022**, 13, 797	17.4	3
50	Combined fluorophore and phosphor conjugation: a new design concept for simultaneous and spatially localized dual lifetime intracellular sensing of oxygen and pH.. *Chemical Communications*, **2021**,	5.8	3
49	Direct Spectroscopic Evidence for $^1O_2$ Production from the Photolysis of Vanadium(V)-Peroxo Complexes in Aqueous Solution. *Photochemistry and Photobiology*, **1999**, 70, 745	3.6	3
48	Unveiling the structural features of nonnative trimers of human superoxide dismutase 1. *Biochimica Et Biophysica Acta - General Subjects*, **2020**, 1864, 129483	4	3
47	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. *Journal of Physical Chemistry Letters*, **2020**, 11, 9468-9475	6.4	3
46	Ethylene glycol modified 2-(2?-aminophenyl)benzothiazoles at the amino site: the excited-state N-H proton transfer reactions in aqueous solution, micelles and potential application in live-cell imaging. *Methods and Applications in Fluorescence*, **2016**, 4, 014004	3.1	3
45	Counterion Migration Driven by Light-Induced Intramolecular Charge Transfer. *Jacs Au*, **2021**, 1, 282-293		3
44	Can Nanocavities Significantly Enhance Resonance Energy Transfer in a Single Donor–Acceptor Pair?. *Journal of Physical Chemistry C*, **2021**, 125, 18119-18128	3.8	3
43	Iridium(III) Phosphors–Bearing Functional 9-Phenyl-7,9-dihydro-8H-purin-8-ylidene Chelates and Blue Hyperphosphorescent OLED Devices. *Advanced Photonics Research*,2100381	1.9	3

42	Diindeno-Fused Dibenzo[a,h]anthracene and Dibenzo[c,l]chrysene: Syntheses, Structural Analyses, and Properties. *Chemistry - A European Journal*, **2019**, 25, 7280-7284	4.8	2
41	A new series of fluorescent indicators for super acids. *Photochemistry and Photobiology*, **2015**, 91, 654-9	3.6	2
40	The distinct O quenching mechanism between fluorescence and phosphorescence for dyes adsorbed on silica gel. *Physical Chemistry Chemical Physics*, **2020**, 22, 27144-27156	3.6	2
39	Michael Kasha: von Photochemie und Blumen bis Spektroskopie und Musik. *Angewandte Chemie*, **2014**, 126, 14542-14551	3.6	2
38	Gold Nanodots: In vivo Metabolic Imaging of Insulin with Multiphoton Fluorescence of Human Insulin□Au Nanodots (Small 12/2013). *Small*, **2013**, 9, 2102-2102	11	2
37	Enhancement of emission characteristics of cadmium-free ZCIS/ZnS/SiO2 quantum dots by Au nanoparticles. *Applied Physics Letters*, **2012**, 101, 041908	3.4	2
36	Room-Temperature Near-Infrared Metastable Species Measured by Phase-Sensitive Lock-in and Fourier Transform Techniques. *Journal of the Chinese Chemical Society*, **1998**, 45, 503-508	1.5	2
35	Diversified Excited-State Relaxation Pathways of Donor□linker□Acceptor Dyads Controlled by a Bent-to-Planar Motion of the Donor. *Angewandte Chemie*, **2020**, 132, 18770-18777	3.6	2
34	Interlayer Charge Transfer Coupled with Acoustic Phonon in Organic/Inorganic van der Waals Stacked Heterostructures: Self-Assembled Pt(II) Complex on a PtSe2 Monolayer. *Journal of Physical Chemistry C*, **2020**, 124, 25538-25546	3.8	2
33	A Universal Approach for Controllable Synthesis of n-Specific Layered 2D Perovskite Nanoplates. *Angewandte Chemie*, **2021**, 133, 7945-7951	3.6	2
32	Luminescence of Pyrazinyl Pyrazolate Pt(II) Complexes Fine-Tuned by the Solid-State Stacking Interaction. *Energy & Fuels*,	4.1	2
31	Broadening the Horizon of the Bell□Evans□Polanyi Principle towards Optically Triggered Structure Planarization. *Angewandte Chemie*, **2021**, 133, 7281-7288	3.6	2
30	Curcumin-loaded mesoporous silica nanoparticles with dual-imaging and temperature control inhibits the infection of Zika virus. *Microporous and Mesoporous Materials*, **2021**, 314, 110886	5.3	2
29	Correlation between Kinetics and Thermodynamics for Excited-State Intramolecular Proton Transfer Reactions. *Journal of Physical Chemistry A*, **2021**, 125, 6611-6620	2.8	2
28	Alloy Nanostructured Catalysts for Cathodic Reactions in Energy Conversion and Fuel Generation. *Energy & Fuels*,	4.1	2
27	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. *Journal of Materials Chemistry C*, **2021**, 9, 2381-2391	7.1	2
26	Organic Light-Emitting Diodes: Os(II) Based Green to Red Phosphors: A Great Prospect for Solution-Processed, Highly Efficient Organic Light-Emitting Diodes (Adv. Funct. Mater. 16/2012). *Advanced Functional Materials*, **2012**, 22, 3318-3318	15.6	1
25	Electrogenerated chemiluminescence (ECL) of 2-oxa-bicyclo[3.3.0]octa-4,8-diene-3,6-dione (OBDD). *Journal of Electroanalytical Chemistry*, **2009**, 635, 7-12	4.1	1

24	Excited-State Proton Transfer via Hydrogen-Bonded Dimers and Complexes in Condensed Phase **2010**, 555-578		1
23	Unifying model for giant enhancement and quenching of light emission from Au/CdSe nanocomposites **2007**,		1
22	Direct Spectroscopic Evidence for 1ΔgO2 Production from the Photolysis of Vanadium(V)-Peroxo Complexes in Aqueous Solution. *Photochemistry and Photobiology*, **1999**, 70, 745-750	3.6	1
21	Orthogonal carbazole-perylene bisimide pentad: a photoconversion-tunable photosensitizer with diversified excitation and excited-state relaxation pathways. *Science China Chemistry*, **2021**, 64, 2193	7.9	1
20	Tailoring C-6-Substituted Coumarin Scaffolds for Novel Photophysical Properties and Stimuli-Responsive Chromism. *Journal of Physical Chemistry B*, **2021**, 125, 11557-11565	3.4	1
19	Diindeno[2,1-:2',1'-]biphenylenes: Syntheses, Structural Analyses, and Properties. *Organic Letters*, **2021**, 23, 8794-8798	6.2	1
18	Boost reactivity of tri-iodide reduction electrode by highly faceted octahedral PtNi nanocrystals. *Journal of Catalysis*, **2021**, 396, 297-303	7.3	1
17	Cyano Derivatives of 7-Aminoquinoline That Are Highly Emissive in Water: Potential for Sensing Applications. *Chemistry - A European Journal*, **2021**, 27, 8040-8047	4.8	1
16	New [2,2]Fluorenophanes Give Insights into Asymmetric Charge Transfer-Mediated Exciton Delocalization along the ππ Packing Direction. *Chemistry - A European Journal*, **2021**, 27, 8678-8683	4.8	1
15	Functionalizing Collagen with Vessel-Penetrating Two-Photon Phosphorescence Probes: A New In Vivo Strategy to Map Oxygen Concentration in Tumor Microenvironment and Tissue Ischemia. *Advanced Science*, **2021**, 8, e2102788	13.6	1
14	Lifetime oxygen sensors based on block copolymer micelles and non-covalent human serum albumin adducts bearing phosphorescent near-infrared iridium(III) complex. *European Polymer Journal*, **2021**, 159, 110761	5.2	1
13	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. *Journal of Physical Chemistry Letters*, **2021**, 12, 7482-7489	6.4	0
12	Substituent Effects in Six(Anilido)-Five(Thiazole) Membered Ring Boron Difluoride Dyes. *ChemPhotoChem*,	3.3	0
11	How an Eight-Membered Ring Alters the Rhodamine Chromophore. *Journal of Organic Chemistry*, **2020**, 85, 5973-5980	4.2	
10	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). *Advanced Functional Materials*, **2018**, 28, 1870020	15.6	
9	Recombination Dynamics of the Enhanced Quantum Efficiency in CdSe/ZnTe/ZnS Type-II Quantum Dots. *Journal of the Chinese Chemical Society*, **2010**, 57, 534-538	1.5	
8	Light Emitting Materials for Organic Electronics. *Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]*, **2008**, 21, 357-362	0.7	
7	Pyridyl Azolate Based Luminescent Complexes: Strategic Design, Photophysics, and Applications185-220		

6	Femtosecond Spectroscopy and Dynamics of the Azulenylosquaric Dye, a Near-infrared Nonfluorogenic Quencher. *Journal of the Chinese Chemical Society*, **2006**, 53, 1275-1283	1.5
5	Comment on the communication "highly efficient white organic electroluminescence from a double-layer device based on a boron hydroxyphenylpyridine complex" by Wang et al. *Angewandte Chemie - International Edition*, **2002**, 41, 2273; discussion 2274	16.4
4	Photodissociation of I2 in solution: the observation of solvent-dependent near-infrared emission associated with I(2P1/2)Solvent interaction. *Chemical Physics Letters*, **1999**, 299, 327-333	2.5
3	Fabrication of Circularly Polarized MR-TADF Emitters with Asymmetrical Peripheral-Lock Enhancing Helical B/N-Doped Nanographenes (Adv. Mater. 1/2022). *Advanced Materials*, **2022**, 34, 2270006	24
2	Comment on "Metal-Free Triplet Phosphors with High Emission Efficiency and High Tunability".. *Angewandte Chemie - International Edition*, **2022**, e202109224	16.4
1	PHOTOOXYGENATION OF 3-HYDROXYFLAVONE IN A 12 K O2 MATRIX. *Photochemistry and Photobiology*, **1991**, 53, 587-593	3.6