

Piotr Pander

List of Publications by Year in descending order

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43
papers

2,127
citations

279701

23
h-index

254106

43
g-index

43
all docs

43
docs citations

43
times ranked

2281
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermally activated delayed fluorescent phenothiazineâ€“dibenzo[a,j]phenazineâ€“phenothiazine triads exhibiting tricolor-changing mechanochromic luminescence. <i>Chemical Science</i> , 2017, 8, 2677-2686.	3.7	356
2	Dibenzo[<i>a,j</i>]phenazineâ€“Cored Donorâ€“Acceptorâ€“Donor Compounds as Greenâ€“toâ€“Red/NIR Thermally Activated Delayed Fluorescence Organic Light Emitters. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 5739-5744.	7.2	303
3	Intramolecular Charge Transfer Controls Switching Between Room Temperature Phosphorescence and Thermally Activated Delayed Fluorescence. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16407-16411.	7.2	230
4	Intramolecular Charge Transfer Controls Switching Between Room Temperature Phosphorescence and Thermally Activated Delayed Fluorescence. <i>Angewandte Chemie</i> , 2018, 130, 16645-16649.	1.6	98
5	Realizing 20% External Quantum Efficiency in Electroluminescence with Efficient Thermally Activated Delayed Fluorescence from an Exciplex. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 13460-13471.	4.0	84
6	Exciplex Enhancement as a Tool to Increase OLED Device Efficiency. <i>Journal of Physical Chemistry C</i> , 2016, 120, 2070-2078.	1.5	81
7	Multicolor Luminescence Switching and Controllable Thermally Activated Delayed Fluorescence Turn on/Turn off in Carbazoleâ€“Quinoxalineâ€“Carbazole Triads. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 1172-1177.	2.1	77
8	Dibenzo[<i>a,j</i>]phenazineâ€“Cored Donorâ€“Acceptorâ€“Donor Compounds as Greenâ€“toâ€“Red/NIR Thermally Activated Delayed Fluorescence Organic Light Emitters. <i>Angewandte Chemie</i> , 2016, 128, 5833-5838.	1.6	70
9	Dinuclear Design of a Pt(II) Complex Affording Highly Efficient Red Emission: Photophysical Properties and Application in Solution-Processible OLEDs. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 8182-8193.	4.0	67
10	Thermally activated delayed fluorescence with a narrow emission spectrum and organic room temperature phosphorescence by controlling spinâ€“orbit coupling and phosphorescence lifetime of metal-free organic molecules. <i>Journal of Materials Chemistry C</i> , 2018, 6, 5434-5443.	2.7	56
11	Unusual properties of electropolymerized 2,7- and 3,6- carbazole derivatives. <i>Electrochimica Acta</i> , 2014, 128, 430-438.	2.6	50
12	Interfacial TADF Exciplex as a Tool to Localize Excitons, Improve Efficiency, and Increase OLED Lifetime. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 40001-40007.	4.0	45
13	Extended ligand conjugation and dinuclearity as a route to efficient platinum-based near-infrared (NIR) triplet emitters and solution-processed NIR-OLEDs. <i>Journal of Materials Chemistry C</i> , 2021, 9, 127-135.	2.7	42
14	Triphenylamine disubstituted naphthalene diimide: elucidation of excited states involved in TADF and application in near-infrared organic light emitting diodes. <i>Journal of Materials Chemistry C</i> , 2018, 6, 8219-8225.	2.7	40
15	An iminodibenzylâ€“quinoxalineâ€“iminodibenzyl scaffold as a mechanochromic and dual emitter: donor and bridge effects on optical properties. <i>Chemical Communications</i> , 2018, 54, 13857-13860.	2.2	39
16	Exceptionally fast radiative decay of a dinuclear platinum complex through thermally activated delayed fluorescence. <i>Chemical Science</i> , 2021, 12, 6172-6180.	3.7	37
17	Room temperature phosphorescence lifetime and spectrum tuning of substituted thianthrenes. <i>Dyes and Pigments</i> , 2017, 142, 315-322.	2.0	35
18	Observation of Dual Room Temperature Fluorescenceâ€“Phosphorescence in Air, in the Crystal Form of a Thianthrene Derivative. <i>Journal of Physical Chemistry C</i> , 2018, 122, 24958-24966.	1.5	31

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19	Thermally Activated Delayed Fluorescence in Polymer-Small-Molecule Exciplex Blends for Solution-Processed Organic Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 28796-28802.	4.0	31
20	Electrochemically Induced Synthesis of Triphenylamine-based Polyhydrazones. <i>Electrochimica Acta</i> , 2017, 230, 10-21.	2.6	29
21	1,2,4-Triazines in the Synthesis of Bipyridine Bisphenolate ONNO Ligands and Their Highly Luminescent Tetradentate Pt(II) Complexes for Solution-Processable OLEDs. <i>Inorganic Chemistry</i> , 2018, 57, 3825-3832.	1.9	28
22	Electrochromic Properties of Novel Selenophene and Tellurophene Derivatives Based on Carbazole and Triphenylamine Core. <i>Journal of Physical Chemistry C</i> , 2017, 121, 11027-11036.	1.5	27
23	The role of dinuclearity in promoting thermally activated delayed fluorescence (TADF) in cyclometallated, N ^C N-coordinated platinum complexes. <i>Journal of Materials Chemistry C</i> , 2021, 9, 10276-10287.	2.7	26
24	Donor-Acceptor 1,2,4,5-Tetrazines Prepared by the Buchwald-Hartwig Cross-Coupling Reaction and Their Photoluminescence Turn-On Property by Inverse Electron Demand Diels-Alder Reaction. <i>Journal of Organic Chemistry</i> , 2020, 85, 3407-3416.	1.7	25
25	Homoleptic platinum complexes with pyridyltriazole ligands: excimer-forming phosphorescent emitters for solution-processed OLEDs. <i>Journal of Materials Chemistry C</i> , 2019, 7, 6592-6606.	2.7	24
26	Thermally Activated Delayed Fluorescence Mediated through the Upper Triplet State Manifold in Non-Charge-Transfer Star-Shaped Triphenylamine-Carbazole Molecules. <i>Journal of Physical Chemistry C</i> , 2018, 122, 23934-23942.	1.5	22
27	Intermolecular interactions in molecular crystals and their effect on thermally activated delayed fluorescence of helicene-based emitters. <i>Journal of Materials Chemistry C</i> , 2018, 6, 10557-10568.	2.7	20
28	Toward Efficient Toxic-Gas Detectors: Exploring Molecular Interactions of Sarin and Dimethyl Methylphosphonate with Metal-Centered Phthalocyanine Structures. <i>Journal of Physical Chemistry C</i> , 2020, 124, 6090-6102.	1.5	18
29	Electrochemistry and spectroelectrochemistry of polymers based on D-A-D and D-D-D bis(N-carbazolyl) monomers, effect of the donor/acceptor core on their properties. <i>Electrochimica Acta</i> , 2017, 257, 192-202.	2.6	16
30	Synthesis and characterization of chalcogenophene-based monomers with pyridine acceptor unit. <i>Electrochimica Acta</i> , 2016, 210, 773-782.	2.6	15
31	Solution processable small molecule based TADF exciplex OLEDs. <i>Organic Electronics</i> , 2018, 62, 168-173.	1.4	14
32	Diquinoline Derivatives as Materials for Potential Optoelectronic Applications. <i>Journal of Physical Chemistry C</i> , 2015, 119, 13129-13137.	1.5	11
33	Luminescent halogen-substituted 2-(N-arylimino)pyrrolyl boron complexes: the internal heavy-atom effect. <i>Dalton Transactions</i> , 2020, 49, 10185-10202.	1.6	11
34	Enhancement of thermally activated delayed fluorescence properties by substitution of ancillary halogen in a multiple resonance-like diplatinum complex. <i>Journal of Materials Chemistry C</i> , 2022, 10, 4851-4860.	2.7	11
35	Efficient UV Luminescence from Organic-Based Tamm Plasmon Structures Emitting in the Strong-Coupling Regime. <i>Journal of Physical Chemistry C</i> , 2020, 124, 21656-21663.	1.5	10
36	Acridone-amine D-A-D thermally activated delayed fluorescence emitters with narrow resolved electroluminescence and their electrochromic properties. <i>Electrochimica Acta</i> , 2021, 384, 138347.	2.6	10

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37	Time-resolved Photophysical Characterization of Triplet-harvesting Organic Compounds at an Oxygen-free Environment Using an iCCD Camera. Journal of Visualized Experiments, 2018, , .	0.2	8
38	Convenient One-pot Synthesis of 1,2,3,4-thiazoles Towards a Novel Electron Acceptor for Highly Efficient Thermally Activated Delayed Fluorescence Emitters. Chemistry - A European Journal, 2019, 25, 2457-2462.	1.7	7
39	Opposite Sign of Polarization Splitting in Ultrastrongly Coupled Organic Tamm Plasmon Structures. Journal of Physical Chemistry C, 2021, 125, 8376-8381.	1.5	7
40	Simultaneous enhancement of thermally activated delayed fluorescence and photoluminescence quantum yield via homoconjugation. Journal of Materials Chemistry C, 2022, 10, 6306-6313.	2.7	7
41	Benzannulation via the use of 1,2,4-triazines extends aromatic system of cyclometallated Pt(II) complexes to achieve candle light electroluminescence. Dyes and Pigments, 2021, 184, 108857.	2.0	4
42	Novel Easy to Synthesize Benzonitrile Compounds with Mixed Carbazole and Phenoxazine Substituents Exhibiting Dual Emission and TADF Properties. Journal of Physical Chemistry B, 2022, 126, 2740-2753.	1.2	3
43	Delayed Fluorescence by Triplet-Triplet Annihilation from Columnar Liquid Crystal Films. ACS Applied Electronic Materials, 2022, 4, 3486-3494.	2.0	2