

# Przemyslaw Data

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

88

papers

3,210

citations

27

h-index

55

g-index

104

ext. papers

3,879

ext. citations

5.7

avg, IF

5.52

L-index

#	Paper	IF	Citations
88	s-Tetrazine donor-acceptor electrodeposited layer with properties controlled by doping anions generally considered as interchangeable. <i>Electrochimica Acta</i> , <b>2022</b> , 405, 139788	6.7	0
87	Modular, n-Doped Concave PAHs for High-Performance OLEDs with Tunable Emission Mechanisms.. <i>Angewandte Chemie - International Edition</i> , <b>2022</b> ,	16.4	8
86	Comparative study of thermally activated delayed fluorescent properties of donor-acceptor and donor-acceptor-donor architectures based on phenoxazine and dibenzo[ <i>h</i> ]phenazine.. <i>Beilstein Journal of Organic Chemistry</i> , <b>2022</b> , 18, 459-468	2.5	
85	Peripherally Donor-Installed 7,8-Diaza[5]helicenes as a Platform for Helical Luminophores. <i>Synthesis</i> , <b>2021</b> , 53, 1584-1596	2.9	1
84	Covalent Immobilization of Organic Photosensitizers on the Glass Surface: Toward the Formation of the Light-Activated Antimicrobial Nanocoating. <i>Materials</i> , <b>2021</b> , 14,	3.5	2
83	Acridone-amine D-A-D thermally activated delayed fluorescence emitters with narrow resolved electroluminescence and their electrochromic properties. <i>Electrochimica Acta</i> , <b>2021</b> , 384, 138347	6.7	5
82	The Impact of C Insertion into a Carbazole Donor on the Physicochemical Properties of Dibenz[ <i>a,j</i> ]phenazine-Cored Donor-Acceptor-Donor Triads. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 13390-13398	4.8	3
81	Heavy-Atom-Free Room-Temperature Phosphorescent Organic Light-Emitting Diodes Enabled by Excited States Engineering. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 2899-2907	9.5	13
80	Electrochemically deposited poly(selenophene)-fullerene photoactive layer: Tuning of the spectroscopic properties towards visible light-driven generation of singlet oxygen. <i>Applied Surface Science</i> , <b>2020</b> , 525, 146594	6.7	7
79	Alchemy of donor-acceptor-donor multi-photofunctional organic materials: from construction of electron-deficient azaaromatics to exploration of functions. <i>Chemical Communications</i> , <b>2020</b> , 56, 8884-8894	5.8	15
78	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> , <b>2020</b> , 85, 3407-3416	4.2	15
77	Electrochemical and optical aspects of cobalt meso-carbazole substituted porphyrin complexes. <i>Electrochimica Acta</i> , <b>2020</b> , 330, 135140	6.7	9
76	Thermally Activated Delayed Fluorescent Donor-Acceptor-Donor-Acceptor $\pi$ -Conjugated Macrocycle for Organic Light-Emitting Diodes. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 1482-1491	16.4	63
75	Revealing Topological Influence of Phenylenediamine Unit on Physicochemical Properties of Donor-Acceptor-Donor-Acceptor Thermally Activated Delayed Fluorescent Macrocycles. <i>Chemistry - an Asian Journal</i> , <b>2020</b> , 15, 4098-4103	4.5	1
74	Electrochemical and Spectroelectrochemical Comparative Study of Macrocyclic Thermally Activated Delayed Fluorescent Compounds: Molecular Charge Stability vs OLED EQE Roll-Off. <i>Asian Journal of Organic Chemistry</i> , <b>2020</b> , 9, 2153-2161	3	3
73	Convenient One-Pot Synthesis of 1,2,3,4-Thiatriazoles Towards a Novel Electron Acceptor for Highly-Efficient Thermally-Activated Delayed-Fluorescence Emitters. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 2457-2462	4.8	5
72	The influence of molecular geometry on the efficiency of thermally activated delayed fluorescence. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 6672-6684	7.1	33

71	Thermally activated delayed fluorescence vs. room temperature phosphorescence by conformation control of organic single molecules. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 6616-6621	7.1	46
70	Realizing 20% External Quantum Efficiency in Electroluminescence with Efficient Thermally Activated Delayed Fluorescence from an Exciplex. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 13460-13471	9.5	54
69	Recent Advancements in and the Future of Organic Emitters: TADF- and RTP-Active Multifunctional Organic Materials. <i>Chemistry - an Asian Journal</i> , <b>2019</b> , 14, 1613-1636	4.5	86
68	The impact of replacement of nitrogen with phosphorus atom in the pyromellitic diimides on their photophysical and electrochemical properties. <i>Electrochimica Acta</i> , <b>2019</b> , 295, 801-809	6.7	5
67	High-triplet-level phthalimide based acceptors for exciplexes with multicolor emission. <i>Dyes and Pigments</i> , <b>2019</b> , 162, 872-882	4.6	21
66	Thermally activated delayed fluorescence with a narrow emission spectrum and organic room temperature phosphorescence by controlling spin-orbit coupling and phosphorescence lifetime of metal-free organic molecules. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 5434-5443	7.1	38
65	Electrochemically synthesised xanthone-cored conjugated polymers as materials for electrochromic windows. <i>Electrochimica Acta</i> , <b>2018</b> , 273, 264-272	6.7	17
64	Impedance spectroscopy of OLEDs as a tool for estimating mobility and the concentration of charge carriers in transport layers. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 1008-1014	7.1	32
63	Moving Beyond Boron-Based Substituents To Achieve Phosphorescence in Tellurophenes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 12124-12134	9.5	35
62	Thermally Activated Delayed Fluorescence in Polymer-Small-Molecule Exciplex Blends for Solution-Processed Organic Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 28796-28802	9.5	21
61	Syntheses of Diverse Donor-Substituted Bisbenzofuro[2,3-b:3'2'f]pyridines (BBZFPys) via Pd Catalysis, and Their Photophysical Properties. <i>Journal of Organic Chemistry</i> , <b>2018</b> , 83, 10289-10302	4.2	5
60	Production and Characterization of Vacuum Deposited Organic Light Emitting Diodes. <i>Journal of Visualized Experiments</i> , <b>2018</b> ,	1.6	3
59	Time-resolved Photophysical Characterization of Triplet-harvesting Organic Compounds at an Oxygen-free Environment Using an iCCD Camera. <i>Journal of Visualized Experiments</i> , <b>2018</b> ,	1.6	7
58	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> , <b>2018</b> , 122, 23934-23942	3.8	15
57	Observation of Dual Room Temperature Fluorescence-Phosphorescence in Air, in the Crystal Form of a Thianthrene Derivative. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 24958-24966	3.8	22
56	Using Cyclic Voltammetry, UV-Vis-NIR, and EPR Spectroelectrochemistry to Analyze Organic Compounds. <i>Journal of Visualized Experiments</i> , <b>2018</b> ,	1.6	5
55	Raman and IR Spectroelectrochemical Methods as Tools to Analyze Conjugated Organic Compounds. <i>Journal of Visualized Experiments</i> , <b>2018</b> ,	1.6	1
54	Electrochemical Impedance Spectroscopy as a Tool for Electrochemical Rate Constant Estimation. <i>Journal of Visualized Experiments</i> , <b>2018</b> ,	1.6	2

53	Intermolecular interactions in molecular crystals and their effect on thermally activated delayed fluorescence of helicene-based emitters. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 10557-10568	7.1	12
52	Conformationally-flexible and moderately electron-donating units-installed D-A-D triad enabling multicolor-changing mechanochromic luminescence, TADF and room-temperature phosphorescence. <i>Chemical Communications</i> , <b>2018</b> , 54, 6847-6850	5.8	67
51	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> , <b>2018</b> , 6, 8219-8225	7.1	28
50	Thermally activated delayed fluorescent phenothiazine-dibenzo[,]phenazine-phenothiazine triads exhibiting tricolor-changing mechanochromic luminescence. <i>Chemical Science</i> , <b>2017</b> , 8, 2677-2686	9.4	245
49	Electrochemically Induced Synthesis of Triphenylamine-based Polyhydrazones. <i>Electrochimica Acta</i> , <b>2017</b> , 230, 10-21	6.7	23
48	Regio- and conformational isomerization critical to design of efficient thermally-activated delayed fluorescence emitters. <i>Nature Communications</i> , <b>2017</b> , 8, 14987	17.4	179
47	Electrochromic Properties of Novel Selenophene and Tellurophene Derivatives Based on Carbazole and Triphenylamine Core. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 11027-11036	3.8	18
46	Triplet Harvesting with a Simple Aromatic Carbonyl. <i>ChemPhysChem</i> , <b>2017</b> , 18, 2314-2317	3.2	12
45	The contributions of molecular vibrations and higher triplet levels to the intersystem crossing mechanism in metal-free organic emitters. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 6269-6280	7.1	65
44	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> , <b>2017</b> , 257, 192-202	6.7	12
43	Triplet Harvesting with a Simple Aromatic Carbonyl. <i>ChemPhysChem</i> , <b>2017</b> , 18, 2305-2305	3.2	4
42	An optical and electrical study of full thermally activated delayed fluorescent white organic light-emitting diodes. <i>Scientific Reports</i> , <b>2017</b> , 7, 6234	4.9	29
41	Determination of standard redox rate constants of OLED active compounds by electrochemical impedance spectroscopy. <i>Electrochimica Acta</i> , <b>2017</b> , 258, 1160-1172	6.7	7
40	The Role of Local Triplet Excited States and D-A Relative Orientation in Thermally Activated Delayed Fluorescence: Photophysics and Devices. <i>Advanced Science</i> , <b>2016</b> , 3, 1600080	13.6	304
39	Star-Shaped Conjugated Molecules with Oxa- or Thiadiazole Bithiophene Side Arms. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 11795-806	4.8	18
38	Synthesis and characterization of chalcogenophene-based monomers with pyridine acceptor unit. <i>Electrochimica Acta</i> , <b>2016</b> , 210, 773-782	6.7	13
37	Dibenzo[a,j]phenazine-Cored Donor-Acceptor-Donor Compounds as Green-to-Red/NIR Thermally Activated Delayed Fluorescence Organic Light Emitters. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 5833-5838	3.6	58
36	Dibenzo[a,j]phenazine-Cored Donor-Acceptor-Donor Compounds as Green-to-Red/NIR Thermally Activated Delayed Fluorescence Organic Light Emitters. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 5739-44	16.4	224

35	Soluble Flavanthronone Derivatives: Synthesis, Characterization, and Application to Organic Light-Emitting Diodes. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 7978-86	4.8	13
34	Kesterite Inorganic-Organic Heterojunction for Solution Processable Solar Cells. <i>Electrochimica Acta</i> , <b>2016</b> , 201, 78-85	6.7	4
33	Electrochromic behaviour of triazine based ambipolar compounds. <i>Electrochimica Acta</i> , <b>2016</b> , 192, 283-285	6.7	19
32	The interplay of thermally activated delayed fluorescence (TADF) and room temperature organic phosphorescence in sterically-constrained donor-acceptor charge-transfer molecules. <i>Chemical Communications</i> , <b>2016</b> , 52, 2612-5	5.8	171
31	Engineering the singlet-triplet energy splitting in a TADF molecule. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 3815-3824	7.1	143
30	Exciplex Enhancement as a Tool to Increase OLED Device Efficiency. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 2070-2078	3.8	64
29	Rational Design of TADF Polymers Using a Donor-Acceptor Monomer with Enhanced TADF Efficiency Induced by the Energy Alignment of Charge Transfer and Local Triplet Excited States. <i>Advanced Optical Materials</i> , <b>2016</b> , 4, 597-607	8.1	185
28	Evidence for Solid State Electrochemical Degradation Within a Small Molecule OLED. <i>Electrochimica Acta</i> , <b>2015</b> , 184, 86-93	6.7	12
27	Efficient p-phenylene based OLEDs with mixed interfacial exciplex emission. <i>Electrochimica Acta</i> , <b>2015</b> , 182, 524-528	6.7	13
26	Spectroelectrochemical Analysis of Charge Carriers as a Way of Improving Poly(p-phenylene)-Based Electrochromic Windows. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 20188-20200	3.8	14
25	Synthesis and properties of 1,3,5-tricarbazolylbenzenes with star-shaped architecture. <i>Dyes and Pigments</i> , <b>2015</b> , 113, 640-648	4.6	15
24	Synthesis of kesterite nanopowders with bandgap tuning ligands. <i>Crystal Research and Technology</i> , <b>2015</b> , 50, 743-746	1.3	2
23	Electrochemically Induced Synthesis of Poly(2,6-carbazole). <i>Macromolecular Rapid Communications</i> , <b>2015</b> , 36, 1749-55	4.8	16
22	Diquinoline Derivatives as Materials for Potential Optoelectronic Applications. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 13129-13137	3.8	8
21	Electrochemical and spectroelectrochemical comparison of alternated monomers and their copolymers based on carbazole and thiophene derivatives. <i>Electrochimica Acta</i> , <b>2014</b> , 122, 118-129	6.7	36
20	The Synthesis and Characterization of -3,4-Ethylenedioxythiophene Derivatives with Electroactive Features. <i>Electrochimica Acta</i> , <b>2014</b> , 141, 349-356	6.7	6
19	Highly Efficient TADF OLEDs: How the Emitter-Host Interaction Controls Both the Excited State Species and Electrical Properties of the Devices to Achieve Near 100% Triplet Harvesting and High Efficiency. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 6178-6186	15.6	232
18	Unusual properties of electropolymerized 2,7- and 3,6- carbazole derivatives. <i>Electrochimica Acta</i> , <b>2014</b> , 128, 430-438	6.7	44

17	Solubility controlled electropolymerisation and study of the impact of regioregularity on the spectroelectrochemical properties of thin films of poly(3-octylthiophenes). <i>Electrochimica Acta</i> , <b>2014</b> , 122, 66-71	6.7	11
16	Novel acridone-based branched blocks as highly fluorescent materials. <i>Synthetic Metals</i> , <b>2013</b> , 180, 1-8	3.6	13
15	Influence of alkyl chain on electrochemical and spectroscopic properties of polyselenophenes. <i>Electrochimica Acta</i> , <b>2013</b> , 87, 438-449	6.7	17
14	Glass forming donor-substituted s-triazines: Photophysical and electrochemical properties. <i>Dyes and Pigments</i> , <b>2013</b> , 97, 412-422	4.6	34
13	Advanced Heterocyclic Branched Semiconducting Units - Highly Efficient Synthesis and Physicochemical Characteristic. <i>Current Organic Chemistry</i> , <b>2013</b> , 17, 283-295	1.7	10
12	Electrochemistry and spectroelectrochemistry of a novel selenophene-based monomer. <i>Electrochimica Acta</i> , <b>2012</b> , 59, 567-572	6.7	13
11	Electrochemical characterization of alternate conducting carbazole-bisthiophene units. <i>Materials Chemistry and Physics</i> , <b>2012</b> , 131, 757-763	4.4	24
10	Photoluminescent Polytellurophene Derivatives of Conjugated Polymers as a New Perspective for Molecular Electronics. <i>Macromolecular Chemistry and Physics</i> , <b>2012</b> , 213, 29-35	2.6	26
9	Influence of heteroaryl group on electrochemical and spectroscopic properties of conjugated polymers. <i>Electrochimica Acta</i> , <b>2012</b> , 83, 271-282	6.7	28
8	Glass-Forming Carbazolyl and Phenothiazinyl Tetra Substituted Pyrene Derivatives: Photophysical, Electrochemical, and Photoelectrical Properties. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 15878-15887	3.8	43
7	Thianthrene-based oligomers as hole transporting materials. <i>Arkivoc</i> , <b>2012</b> , 2012, 193-209	0.9	10
6	Hydrazones containing electron-accepting and electron-donating moieties. <i>Dyes and Pigments</i> , <b>2011</b> , 91, 13-19	4.6	20
5	Unusual band-gap migration of N-alkylcarbazole-thiophene derivative. <i>Optical Materials</i> , <b>2011</b> , 33, 1445-1448	3.48	26
4	A new route to light emitting organic materials based on triazine derivatives. <i>Journal of Fluorescence</i> , <b>2010</b> , 20, 1069-75	2.4	9
3	Enhancement of the valley splitting in silicon (100) n-type inversion layers by lossless edge currents around Wigner magneto-quantum crystals. <i>Journal of Physics C: Solid State Physics</i> , <b>1986</b> , 19, 5215-5237		1
2	Regioisomeric Effect on the Excited-State Fate Leading to Room-Temperature Phosphorescence or Thermally Activated Delayed Fluorescence in a Dibenzophenazine-Cored Donor-Acceptor-Donor System. <i>Journal of Materials Chemistry C</i> ,	7.1	2
1	Revealing the internal heavy chalcogen atom effect on the photophysics of the dibenzo[a,j]phenazine-cored donor-acceptor-donor triad. <i>Journal of Materials Chemistry C</i> ,	7.1	6