

Michal P Krompiec

List of Publications by Year in descending order

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39
papers

1,065
citations

394421

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32
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docs citations

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times ranked

1699
citing authors

#	ARTICLE	IF	CITATIONS
1	Solar Trees: First Large-scale Demonstration of Fully Solution Coated, Semitransparent, Flexible Organic Photovoltaic Modules. <i>Advanced Science</i> , 2016, 3, 1500342.	11.2	204
2	Double bond migration in N-allylic systems catalyzed by transition metal complexes. <i>Coordination Chemistry Reviews</i> , 2008, 252, 1819-1841.	18.8	107
3	Highly selective isomerization of N-allylamides and N-allylamines. <i>Tetrahedron Letters</i> , 2004, 45, 5257-5261.	1.4	63
4	Synthesis, materials characterization and opto(electrical) properties of unsymmetrical azomethines with benzothiazole core. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 97, 546-555.	3.9	46
5	The role of the functional group in double bond migration in allylic systems catalysed by ruthenium hydride complexes. <i>Journal of Molecular Catalysis A</i> , 2006, 253, 132-146.	4.8	44
6	Isomerisation of N-allyl-N-arylethanamides catalysed by ruthenium complexes. <i>Journal of Molecular Catalysis A</i> , 2002, 189, 169-185.	4.8	40
7	Meta-analysis: the molecular organization of non-fullerene acceptors. <i>Materials Horizons</i> , 2020, 7, 1062-1072.	12.2	38
8	Using Deep Machine Learning to Understand the Physical Performance Bottlenecks in Novel Thin-Film Solar Cells. <i>Advanced Functional Materials</i> , 2020, 30, 1907259.	14.9	36
9	Highly selective isomerization of N-allylamides catalyzed by ruthenium and rhodium complexes. <i>Journal of Molecular Catalysis A</i> , 2005, 225, 91-101.	4.8	33
10	New glass forming triarylamine based azomethines as a hole transport materials: Thermal, optical and electrochemical properties. <i>Optical Materials</i> , 2012, 34, 1333-1346.	3.6	32
11	New naphthalene diimide-based compounds containing triarylamine units and imine linkages: Thermal, optical and electrochemical properties. <i>Synthetic Metals</i> , 2011, 161, 2268-2279.	3.9	31
12	New thermotropic azomethine-naphthalene diimides for optoelectronic applications. <i>Synthetic Metals</i> , 2010, 160, 2208-2218.	3.9	29
13	Synthesis of 5-aminoisoxazolines from N-allyl compounds and nitrile oxides via tandem isomerization-1,3-dipolar cycloaddition. <i>Tetrahedron</i> , 2010, 66, 5972-5981.	1.9	28
14	Characterization, liquid crystalline behavior, electrochemical and optoelectrical properties of new poly(azomethine)s and a poly(imide) with siloxane linkages. <i>Optical Materials</i> , 2011, 34, 61-74.	3.6	26
15	Charge Transfer Dynamics in Donor-Acceptor Complexes between a Conjugated Polymer and Fluorene Acceptors. <i>Journal of Physical Chemistry C</i> , 2014, 118, 30291-30301.	3.1	26
16	Characterization, liquid crystalline behavior, optical and electrochemical study of new aliphatic-aromatic polyimide with naphthalene and perylene subunits. <i>Synthetic Metals</i> , 2011, 161, 1660-1670.	3.9	25
17	Highly selective isomerization of N-allylamines catalyzed by ruthenium and rhodium complexes. <i>Journal of Molecular Catalysis A</i> , 2005, 237, 17-25.	4.8	22
18	Synthesis of perrhenic acid using ion exchange method. <i>Hydrometallurgy</i> , 2007, 89, 289-296.	4.3	20

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19	An isomerization ^{1,3} -dipolar cycloaddition tandem reaction towards the synthesis of 3-aryl-4-methyl-5-O-substituted isoxazolines from O-allyl compounds. <i>Tetrahedron</i> , 2012, 68, 6018-6031.	1.9	20
20	New low band gap compounds comprised of naphthalene diimide and imine units. <i>Synthetic Metals</i> , 2012, 162, 543-553.	3.9	19
21	4,5-Diazafluorene co-oligomers as electron-deficient light-emitting materials and selective fluorescence sensors for mercury(II) cations. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3762-3773.	5.5	19
22	Synthesis and electropolymerization of 3,5-dithienylpyridines, their complexes and N-methylpyridinium cations. <i>Synthetic Metals</i> , 2008, 158, 831-838.	3.9	17
23	An electrochromic diquat-quaterthiophene alternating copolymer: A polythiophene with a viologen-like moiety in the main chain. <i>Electrochimica Acta</i> , 2011, 56, 8108-8114.	5.2	17
24	3,4-Phenylenedioxythiophenes (PheDOTs) functionalized with electron-withdrawing groups and their analogs for organic electronics. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3743-3756.	5.5	15
25	Linear-scaling density functional simulations of the effect of crystallographic structure on the electronic and optical properties of fullerene solvates. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 5617-5628.	2.8	13
26	Insights into the Charge-Transfer Mechanism of Organic Photovoltaics: Effect of Domain Size. <i>Journal of Physical Chemistry C</i> , 2018, 122, 17024-17034.	3.1	13
27	Polymethacrylates with anthryl and carbazolyl groups prepared by atom transfer radical polymerization. <i>Polymer Journal</i> , 2011, 43, 448-454.	2.7	11
28	A cross-linked conjugated metallopolymer comprised of bisaxially coordinated ruthenium tetra- <i>t</i> -butyl phthalocyanine connected by quaterthiophene linkers. <i>Electrochimica Acta</i> , 2011, 56, 6824-6830.	5.2	11
29	Effect of Polymerization Statistics on the Electronic Properties of Copolymers for Organic Photovoltaics. <i>Journal of Physical Chemistry C</i> , 2017, 121, 2529-2538.	3.1	11
30	A new method for the synthesis of mixed orthoesters from O-allyl acetals. <i>Tetrahedron Letters</i> , 2009, 50, 1193-1195.	1.4	10
31	New catalytic systems for coupling of dihalogenopyridines and 5,5-dibromo-2,2,6,6-terpyridine with 5-bromo-2-trialkylstannylpyridines and 2-trialkylstannylthiophenes. <i>Catalysis Communications</i> , 2007, 8, 1457-1462.	3.3	9
32	Transition Metals for Conjugation of Polyunsaturated Acids and their Esters. <i>Current Organic Chemistry</i> , 2009, 13, 896-913.	1.6	9
33	A selective convenient ruthenium-mediated synthesis of mixed acetals. <i>Journal of Molecular Catalysis A</i> , 2008, 290, 15-22.	4.8	8
34	Synthesis, Structure, and Explosive Properties of a New Trinitrate Derivative of an Unexpected Condensation Product of Nitromethane with Glyoxal. <i>Propellants, Explosives, Pyrotechnics</i> , 2012, 37, 261-266.	1.6	6
35	Polyazomethine with vinylene and phenantridine moieties in the main chain: Synthesis, characterization, opto(electrical) properties and theoretical calculations. <i>High Performance Polymers</i> , 2012, 24, 319-330.	1.8	3
36	Synthesis, spectroscopic investigation, structural characterization and DFT calculation of the complexes [ReX ₂ (N ₂ COPh)(4-PhPyr)(PPh ₃) ₂] (X=Cl,Br). <i>Polyhedron</i> , 2010, 29, 2629-2636.	2.2	2

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37	How Does Polymorphism Affect the Interfacial Charge-Transfer States in Organic Photovoltaics?. Journal of Physical Chemistry C, 2019, 123, 25585-25595.	3.1	2
38	Highly Selective Isomerization of N-Allylamides and N-Allylamines.. ChemInform, 2004, 35, no.	0.0	0
39	Gap variability upon packing in organic photovoltaics. PLoS ONE, 2020, 15, e0234115.	2.5	0