Piotr Piotrowiak

List of Publications by Year in descending order

59 papers	2,582 citations	236612 25 h-index	182168 51 g-index
61 all docs	61 docs citations	61 times ranked	2639 citing authors

#	Article	IF	Citations
1	Anoxic photogeochemical oxidation of manganese carbonate yields manganese oxide. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 22698-22704.	3.3	39
2	Ultrafast Vibrational Cooling Inside of a Molecular Container. Journal of Physical Chemistry Letters, 2019, 10, 2434-2438.	2.1	8
3	Vibrational Cooling in Oligomeric Viologens of Different Sizes and Topologies. Journal of Physical Chemistry B, 2019, 123, 1847-1854.	1.2	2
4	Excited State Behavior of Single Strand and Bulk P3HT in Contact with a Au-Nanowire Array. Journal of Physical Chemistry C, 2018, 122, 7925-7933.	1.5	1
5	Hot Hole Hopping in a Polyoxotitanate Cluster Terminated with Catechol Electron Donors. Journal of Physical Chemistry C, 2016, 120, 20006-20015.	1.5	14
6	Effects of conjugated polymer incorporation on the morphology and energy harvesting of solution-processed, phthalocyanine-based thin films. Synthetic Metals, 2016, 220, 469-476.	2.1	1
7	Generation Dependent Ultrafast Charge Separation and Recombination in a Pyrene-Viologen Family of Dendrons. Journal of Physical Chemistry B, 2016, 120, 4286-4295.	1.2	9
8	Vibrational State Dependence of Interfacial Electron Transfer: Hot Electron Injection from the S₁ State of Azulene into TiO₂ Nanoparticles. Journal of Physical Chemistry C, 2013, 117, 20485-20493.	1.5	19
9	Excitons and Excess Electrons in Nanometer Size Molecular Polyoxotitanate Clusters: Electronic Spectra, Exciton Dynamics, and Surface States. Journal of Physical Chemistry B, 2013, 117, 4422-4430.	1.2	11
10	Zinc-Substituted Cytochrome P450_{cam}: Characterization of Protein Conformers F420 and F450 by Photoinduced Electron Transfer. Biochemistry, 2012, 51, 1431-1438.	1.2	2
11	Pentafluorophenyl Copperâ€“Pyridine Complexes: Synthesis, Supramolecular Structures via Cuprophilic and Ï€-Stacking Interactions, and Solid-State Luminescence. Organometallics, 2012, 31, 1546-1558.	1.1	26
12	Fluorescence Enhancement of Di-p-tolyl Viologen by Complexation in Cucurbit[7]uril. Journal of the American Chemical Society, 2012, 134, 3358-3366.	6.6	109
13	Efficiency and temporal response of crystalline Kerr media in collinear optical Kerr gating. Optics Letters, 2011, 36, 2904.	1.7	10
14	Electrostatic Docking of a Supramolecular Hostâ'Guest Assembly to Cytochrome c Probed by Bidirectional Photoinduced Electron Transfer. Journal of the American Chemical Society, 2010, 132, 16423-16431.	6.6	20
15	Ultrafast Spatially Resolved Carrier Dynamics in Single CdSSe Nanobelts. Journal of Physical Chemistry C, 2009, 113, 12162-12166.	1.5	26
16	Ultrafast Wide-Field Fluorescence Microscopy. Springer Series in Chemical Physics, 2009, , 720-722.	0.2	0
17	Femtosecond Kerr-gated wide-field fluorescence microscopy. Optics Letters, 2008, 33, 992.	1.7	41
18	Novel setup for time-resolved fluorescence microscopy. , 2007, , .		0

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19	Ru(II)-Bpy Complexes Bound to Nanocrystalline TiO2 Films through Phenyleneethynylene (OPE) Linkers:â€‰Effect of the Linkers Length on Electron Injection Rates. Journal of Physical Chemistry C, 2007, 111, 2827-2829.	1.5	46
20	Ultrafast Spectroscopic Study of the Photochemistry and Photophysics of Arylhalodiazirines:Â Direct Observation of Carbene and Zwitterion Formation. Journal of the American Chemical Society, 2006, 128, 16446-16447.	6.6	22
21	Fragmentation of 2,2,2-Triphenylethoxychlorocarbene:â€‰Evidence for Ultrafast Fragmentationâ^'Rearrangement in Excited Diazirines. Organic Letters, 2006, 8, 4807-4809.	2.4	5
22	A Different Construction of Pumping Double Clad Fiber Laser by Side Polished Couplers. , 2006, , .		0
23	Inhomogeneity of Electron Injection Rates in Dye-Sensitized TiO2:Â Comparison of the Mesoporous Film and Single Nanoparticle Behaviorâ€. Journal of Physical Chemistry B, 2006, 110, 25314-25321.	1.2	31
24	Pyrene-Terminated Phenylenethynylene Rigid Linkers Anchored to Metal Oxide Nanoparticles. Journal of Physical Chemistry B, 2006, 110, 15734-15741.	1.2	54
25	Inhomogeneity of electron injection rates in dye-sensitized TiO 2 : continuous mesoporous films and single particle behavior. , 2006, , .		0
26	Synthesis of novel rigid-rod and tripodal azulene chromophores. Tetrahedron Letters, 2005, 46, 4895-4899.	0.7	36
27	Electron and Excitation Transfer in Hetero-supramolecular Assemblies and at Moleculeâ€"Nanoparticle Interfaces.. ChemInform, 2004, 35, no.	0.1	0
28	Preparation of an enantiomerically pure, highly porous metalloorganic crystal. Inorganica Chimica Acta, 2004, 357, 4610-4613.	1.2	0
29	Hybrid Photoactive Assemblies:â€‰Electron Injection from Hostâ^'Guest Complexes into Semiconductor Nanoparticles. Journal of the American Chemical Society, 2004, 126, 9888-9889.	6.6	57
30	Luminescent Organoboron Quinolate Polymers. Journal of the American Chemical Society, 2004, 126, 7015-7018.	6.6	130
31	Organic Rigid-Rod Linkers for Coupling Chromophores to Metal Oxide Nanoparticles. Nano Letters, 2003, 3, 325-330.	4.5	74
32	Mimicking Photosynthesis in a Computationally Designed Synthetic Metalloprotein. Journal of the American Chemical Society, 2003, 125, 11814-11815.	6.6	25
33	Subpicosecond Photoinduced Charge Injection from â€œMolecular Tripodsâ€•into Mesoporous TiO2Over the Distance of 24 Angstroms. Journal of the American Chemical Society, 2003, 125, 5278-5279.	6.6	107
34	Electron and excitation transfer in hetero-supramolecular assemblies and at moleculeÂnanoparticle interfaces. Pure and Applied Chemistry, 2003, 75, 1061-1068.	0.9	23
35	Symmetry-Forbidden vs Symmetry-Allowed Electron and Hole Transfer in Medium Sized Intramolecular Organic Donorâ^'Acceptor Radical Ions. A Trajectory Surface Hopping Study. Journal of Physical Chemistry A, 2002, 106, 5011-5021.	1.1	25
36	Ion-pairing effects in intramolecular electron transfer. Chemical Physics Letters, 2002, 363, 7-12.	1.2	12

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37	Remote Intermolecular â€œHeavy-Atom Effectâ€Â Spinâ^'Orbit Coupling Across the Wall of a Hemicarcerand. Journal of the American Chemical Society, 2001, 123, 2444-2445.	6.6	42
38	Triplet Excitation Transfer through the Walls of Hemicarcerands:Â Dependence of the Electronic Coupling on the Size of the Molecular Cage. Journal of the American Chemical Society, 2001, 123, 11029-11036.	6.6	28
39	Polarizability and inductive effect contributions to solventâ€“cation binding observed in electrospray ionization mass spectrometry. Journal of the American Society for Mass Spectrometry, 1999, 10, 254-260.	1.2	15
40	Photoinduced electron transfer in molecular systems: recent developments. Chemical Society Reviews, 1999, 28, 143-150.	18.7	234
41	Energy Transfer in Bichromophoric Molecules:â€‰ The Effect of Symmetry and Donor/Acceptor Energy Gap. Journal of Physical Chemistry A, 1999, 103, 10-20.	1.1	127
42	Electrolyte Effects in Intramolecular Electron Transfer. Advances in Chemistry Series, 1998, , 219-230.	0.6	6
43	Triplet Energy Transfer through the Walls of Hemicarcerands:â€‰ Temperature Dependence and the Role of Internal Reorganization Energy. Journal of the American Chemical Society, 1998, 120, 12626-12633.	6.6	49
44	Intramolecular Electronic Energy Transfer in Ruthenium(II) Diimine Donor/Pyrene Acceptor Complexes Linked by a Single Câ^'C Bond. Journal of the American Chemical Society, 1997, 119, 11012-11022.	6.6	178
45	Probing preferential solvation and ion aggregation with charge transfer triplet states of aromatic amino-nitro compounds. Journal of Photochemistry and Photobiology A: Chemistry, 1997, 105, 249-254.	2.0	11
46	Excited state behavior of twisted olefins with rigidly linked and rotationally free chronlophores. Journal of Photochemistry and Photobiology A: Chemistry, 1997, 105, 255-259.	2.0	5
47	Multiple neutral alkali halide attachments onto oligosaccharides in electrospray ionization mass spectrometry. International Journal of Mass Spectrometry and Ion Processes, 1997, 162, 45-53.	1.9	32
48	Singlet Biradical â†' Singlet Zwitterion Optical Transition in a Twisted Olefin. Journal of the American Chemical Society, 1996, 118, 8981-8982.	6.6	23
49	On the photoisomerization coordinate of tetraphenylethylene. Chemical Physics Letters, 1995, 241, 387-392.	1.2	5
50	Vibronic coupling and energy transfer in bichromophoric molecules: The effect of symmetry. Journal of Chemical Physics, 1995, 103, 4894-4906.	1.2	45
51	Transient Charge Transfer Absorption Bands as Probes of Ion-Pairing Dynamics and Energetics. The Journal of Physical Chemistry, 1995, 99, 2250-2253.	2.9	16
52	Van der Waals complexes of the bichromophore spirobifluorene. Chemical Physics Letters, 1994, 223, 127-132.	1.2	9
53	Specific ion-pairing effects in weakly exoergic intramolecular electron transfer. Inorganica Chimica Acta, 1994, 225, 269-274.	1.2	26
54	Counterion effects in intramolecular charge transfer in radical anions. The Journal of Physical Chemistry, 1993, 97, 13052-13060.	2.9	49

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55	Spin and reaction dynamics in flexible polymethylene biradicals as studied by EPR, NMR, optical spectroscopy, and magnetic field effects. Measurements and mechanisms of scalar electron spin-spin coupling. Journal of the American Chemical Society, 1992, 114, 3285-3294.	6.6	106
56	Spectra of the solvated electron in the presence of sodium cation in tetrahydrofuran and in its .alpha.,.alpha.'-methylated derivatives. Journal of the American Chemical Society, 1991, 113, 5086-5087.	6.6	14
57	A connection between intramolecular long-range electron, hole, and triplet energy transfers. Journal of the American Chemical Society, 1989, 111, 3751-3753.	6.6	300
58	Determination of long-distance intramolecular triplet energy-transfer rates. Quantitative comparison with electron transfer. Journal of the American Chemical Society, 1988, 110, 2652-2653.	6.6	267
59	Relationship between Electron and Electronic Excitation Transfer. , 0, , 215-237.		10