

Piotr Piotrowiak

List of Publications by Year in descending order

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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	A connection between intramolecular long-range electron, hole, and triplet energy transfers. <i>Journal of the American Chemical Society</i> , 1989, 111, 3751-3753.	6.6	300
2	Determination of long-distance intramolecular triplet energy-transfer rates. Quantitative comparison with electron transfer. <i>Journal of the American Chemical Society</i> , 1988, 110, 2652-2653.	6.6	267
3	Photoinduced electron transfer in molecular systems: recent developments. <i>Chemical Society Reviews</i> , 1999, 28, 143-150.	18.7	234
4	Intramolecular Electronic Energy Transfer in Ruthenium(II) Diimine Donor/Pyrene Acceptor Complexes Linked by a Single C-C Bond. <i>Journal of the American Chemical Society</i> , 1997, 119, 11012-11022.	6.6	178
5	Luminescent Organoboron Quinolate Polymers. <i>Journal of the American Chemical Society</i> , 2004, 126, 7015-7018.	6.6	130
6	Energy Transfer in Bichromophoric Molecules: The Effect of Symmetry and Donor/Acceptor Energy Gap. <i>Journal of Physical Chemistry A</i> , 1999, 103, 10-20.	1.1	127
7	Fluorescence Enhancement of Di- <i>p</i> -tolyl Viologen by Complexation in Cucurbit[7]uril. <i>Journal of the American Chemical Society</i> , 2012, 134, 3358-3366.	6.6	109
8	Subpicosecond Photoinduced Charge Injection from Molecular Tripods into Mesoporous TiO ₂ Over the Distance of 24 Angstroms. <i>Journal of the American Chemical Society</i> , 2003, 125, 5278-5279.	6.6	107
9	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. <i>Journal of the American Chemical Society</i> , 1992, 114, 3285-3294.	6.6	106
10	Organic Rigid-Rod Linkers for Coupling Chromophores to Metal Oxide Nanoparticles. <i>Nano Letters</i> , 2003, 3, 325-330.	4.5	74
11	Hybrid Photoactive Assemblies: Electron Injection from Host-Guest Complexes into Semiconductor Nanoparticles. <i>Journal of the American Chemical Society</i> , 2004, 126, 9888-9889.	6.6	57
12	Pyrene-Terminated Phenyleneethynylene Rigid Linkers Anchored to Metal Oxide Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2006, 110, 15734-15741.	1.2	54
13	Counterion effects in intramolecular charge transfer in radical anions. <i>The Journal of Physical Chemistry</i> , 1993, 97, 13052-13060.	2.9	49
14	Triplet Energy Transfer through the Walls of Hemarcerands: Temperature Dependence and the Role of Internal Reorganization Energy. <i>Journal of the American Chemical Society</i> , 1998, 120, 12626-12633.	6.6	49
15	Ru(II)-Bpy Complexes Bound to Nanocrystalline TiO ₂ Films through Phenyleneethynylene (OPE) Linkers: Effect of the Linkers Length on Electron Injection Rates. <i>Journal of Physical Chemistry C</i> , 2007, 111, 2827-2829.	1.5	46
16	Vibronic coupling and energy transfer in bichromophoric molecules: The effect of symmetry. <i>Journal of Chemical Physics</i> , 1995, 103, 4894-4906.	1.2	45
17	Remote Intermolecular Heavy-Atom Effect: Spin-Orbit Coupling Across the Wall of a Hemarcerand. <i>Journal of the American Chemical Society</i> , 2001, 123, 2444-2445.	6.6	42
18	Femtosecond Kerr-gated wide-field fluorescence microscopy. <i>Optics Letters</i> , 2008, 33, 992.	1.7	41

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19	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
20	Synthesis of novel rigid-rod and tripodal azulene chromophores. Tetrahedron Letters, 2005, 46, 4895-4899.	0.7	36
21	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
22	Inhomogeneity of Electron Injection Rates in Dye-Sensitized TiO ₂ : A Comparison of the Mesoporous Film and Single Nanoparticle Behavior. Journal of Physical Chemistry B, 2006, 110, 25314-25321.	1.2	31
23	Triplet Excitation Transfer through the Walls of Hemicarcerands: A 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
24	Specific ion-pairing effects in weakly exoergic intramolecular electron transfer. Inorganica Chimica Acta, 1994, 225, 269-274.	1.2	26
25	Ultrafast Spatially Resolved Carrier Dynamics in Single CdSSe Nanobelts. Journal of Physical Chemistry C, 2009, 113, 12162-12166.	1.5	26
26	Pentafluorophenyl Copper-π-Pyridine Complexes: Synthesis, Supramolecular Structures via Cuprophilic and π-Stacking Interactions, and Solid-State Luminescence. Organometallics, 2012, 31, 1546-1558.	1.1	26
27	Symmetry-Forbidden vs Symmetry-Allowed Electron and Hole Transfer in Medium Sized Intramolecular Organic Donor-Acceptor Radical Ions. A Trajectory Surface Hopping Study. Journal of Physical Chemistry A, 2002, 106, 5011-5021.	1.1	25
28	Mimicking Photosynthesis in a Computationally Designed Synthetic Metalloprotein. Journal of the American Chemical Society, 2003, 125, 11814-11815.	6.6	25
29	Singlet Biradical → Singlet Zwitterion Optical Transition in a Twisted Olefin. Journal of the American Chemical Society, 1996, 118, 8981-8982.	6.6	23
30	Electron and excitation transfer in hetero-supramolecular assemblies and at molecule-nanoparticle interfaces. Pure and Applied Chemistry, 2003, 75, 1061-1068.	0.9	23
31	Ultrafast Spectroscopic Study of the Photochemistry and Photophysics of Arylhalodiazirines: A Direct Observation of Carbene and Zwitterion Formation. Journal of the American Chemical Society, 2006, 128, 16446-16447.	6.6	22
32	Electrostatic Docking of a Supramolecular Host-Guest Assembly to Cytochrome c Probed by Bidirectional Photoinduced Electron Transfer. Journal of the American Chemical Society, 2010, 132, 16423-16431.	6.6	20
33	Vibrational State Dependence of Interfacial Electron Transfer: Hot Electron Injection from the S ₁ State of Azulene into TiO ₂ Nanoparticles. Journal of Physical Chemistry C, 2013, 117, 20485-20493.	1.5	19
34	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
35	Polarizability and inductive effect contributions to solvent-cation binding observed in electrospray ionization mass spectrometry. Journal of the American Society for Mass Spectrometry, 1999, 10, 254-260.	1.2	15
36	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

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37	Hot Hole Hopping in a Polyoxotitanate Cluster Terminated with Catechol Electron Donors. <i>Journal of Physical Chemistry C</i> , 2016, 120, 20006-20015.	1.5	14
38	Ion-pairing effects in intramolecular electron transfer. <i>Chemical Physics Letters</i> , 2002, 363, 7-12.	1.2	12
39	Probing preferential solvation and ion aggregation with charge transfer triplet states of aromatic amino-nitro compounds. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1997, 105, 249-254.	2.0	11
40	Excitons and Excess Electrons in Nanometer Size Molecular Polyoxotitanate Clusters: Electronic Spectra, Exciton Dynamics, and Surface States. <i>Journal of Physical Chemistry B</i> , 2013, 117, 4422-4430.	1.2	11
41	Relationship between Electron and Electronic Excitation Transfer. , 0, , 215-237.		10
42	Efficiency and temporal response of crystalline Kerr media in collinear optical Kerr gating. <i>Optics Letters</i> , 2011, 36, 2904.	1.7	10
43	Van der Waals complexes of the bichromophore spirobifluorene. <i>Chemical Physics Letters</i> , 1994, 223, 127-132.	1.2	9
44	Generation Dependent Ultrafast Charge Separation and Recombination in a Pyrene-Viologen Family of Dendrons. <i>Journal of Physical Chemistry B</i> , 2016, 120, 4286-4295.	1.2	9
45	Ultrafast Vibrational Cooling Inside of a Molecular Container. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 2434-2438.	2.1	8
46	Electrolyte Effects in Intramolecular Electron Transfer. <i>Advances in Chemistry Series</i> , 1998, , 219-230.	0.6	6
47	On the photoisomerization coordinate of tetraphenylethylene. <i>Chemical Physics Letters</i> , 1995, 241, 387-392.	1.2	5
48	Excited state behavior of twisted olefins with rigidly linked and rotationally free chromophores. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1997, 105, 255-259.	2.0	5
49	Fragmentation of 2,2,2-Triphenylethoxychlorocarbene: Evidence for Ultrafast Fragmentation~Rearrangement in Excited Diazirines. <i>Organic Letters</i> , 2006, 8, 4807-4809.	2.4	5
50	Zinc-Substituted Cytochrome P450_{cam}: Characterization of Protein Conformers F420 and F450 by Photoinduced Electron Transfer. <i>Biochemistry</i> , 2012, 51, 1431-1438.	1.2	2
51	Vibrational Cooling in Oligomeric Viologens of Different Sizes and Topologies. <i>Journal of Physical Chemistry B</i> , 2019, 123, 1847-1854.	1.2	2
52	Effects of conjugated polymer incorporation on the morphology and energy harvesting of solution-processed, phthalocyanine-based thin films. <i>Synthetic Metals</i> , 2016, 220, 469-476.	2.1	1
53	Excited State Behavior of Single Strand and Bulk P3HT in Contact with a Au-Nanowire Array. <i>Journal of Physical Chemistry C</i> , 2018, 122, 7925-7933.	1.5	1
54	Electron and Excitation Transfer in Hetero-supramolecular Assemblies and at Molecule~Nanoparticle Interfaces.. <i>ChemInform</i> , 2004, 35, no.	0.1	0

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55	Preparation of an enantiomerically pure, highly porous metalloorganic crystal. <i>Inorganica Chimica Acta</i> , 2004, 357, 4610-4613.	1.2	0
56	A Different Construction of Pumping Double Clad Fiber Laser by Side Polished Couplers. , 2006, , .		0
57	Inhomogeneity of electron injection rates in dye-sensitized TiO ₂ : continuous mesoporous films and single particle behavior. , 2006, , .		0
58	Novel setup for time-resolved fluorescence microscopy. , 2007, , .		0
59	Ultrafast Wide-Field Fluorescence Microscopy. <i>Springer Series in Chemical Physics</i> , 2009, , 720-722.	0.2	0