Nikolai Tkachenko

List of Publications by Year in descending order

269 papers	8,368 citations	57631 44 h-index	71532 76 g-index
277 all docs	277 docs citations	277 times ranked	7858 citing authors

#	Article	IF	Citations
1	Electron-Transfer State of 9-Mesityl-10-methylacridinium Ion with a Much Longer Lifetime and Higher Energy Than That of the Natural Photosynthetic Reaction Center. Journal of the American Chemical Society, 2004, 126, 1600-1601.	6.6	565
2	Photoinduced Electron Transfer in Phytochlorinâ^'[60]Fullerene Dyads. Journal of the American Chemical Society, 1999, 121, 9378-9387.	6.6	275
3	An Extremely Small Reorganization Energy of Electron Transfer in Porphyrinâ^'Fullerene Dyad. Journal of Physical Chemistry A, 2001, 105, 1750-1756.	1.1	275
4	Charge Separation in a Nonfluorescent Donorâ^'Acceptor Dyad Derived from Boron Dipyrromethene Dye, Leading to Photocurrent Generation. Journal of Physical Chemistry B, 2005, 109, 15368-15375.	1.2	224
5	Ultrafast Photodynamics of Exciplex Formation and Photoinduced Electron Transfer in Porphyrinâ^'Fullerene Dyads Linked at Close Proximity. Journal of Physical Chemistry A, 2003, 107, 8834-8844.	1.1	158
6	Exciplex Intermediates in Photoinduced Electron Transfer of Porphyrinâ^'Fullerene Dyads. Journal of the American Chemical Society, 2002, 124, 8067-8077.	6.6	148
7	Effects of meso-Diarylamino Group of Porphyrins as Sensitizers in Dye-Sensitized Solar Cells on Optical, Electrochemical, and Photovoltaic Properties. Journal of Physical Chemistry C, 2010, 114, 10656-10665.	1.5	147
8	Charge-transfer emission of compact porphyrinâ€“fullerene dyad analyzed by Marcus theory of electron-transfer. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2001, 57, 2229-2244.	2.0	138
9	Long-Lived Triplet Excited States of Bent-Shaped Pentacene Dimers by Intramolecular Singlet Fission. Journal of Physical Chemistry A, 2016, 120, 1867-1875.	1.1	133
10	Azobenzene-Linked Porphyrinâ^'Fullerene Dyads. Journal of the American Chemical Society, 2007, 129, 15973-15982.	6.6	112
11	Photoinduced Charge and Energy Transfer in Phthalocyanine-Functionalized Gold Nanoparticles. Journal of Physical Chemistry C, 2010, 114, 162-168.	1.5	102
12	Effects of Ï€-Elongation and the Fused Position of Quinoxaline-Fused Porphyrins as Sensitizers in Dye-Sensitized Solar Cells on Optical, Electrochemical, and Photovoltaic Properties. Journal of Physical Chemistry C, 2010, 114, 11293-11304.	1.5	102
13	Energy and Electron Transfer in Î²-Alkynyl-Linked Porphyrinâ^'[60]Fullerene Dyads. Journal of Physical Chemistry B, 2006, 110, 14155-14166.	1.2	100
14	Optical, Electrochemical, and Photovoltaic Effects of an Electron-Withdrawing Tetrafluorophenylene Bridge in a Pushâ€“Pull Porphyrin Sensitizer Used for Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2011, 115, 14415-14424.	1.5	94
15	Remarkable Dependence of the Final Charge Separation Efficiency on the Donorâ€“Acceptor Interaction in Photoinduced Electron Transfer. Angewandte Chemie - International Edition, 2016, 55, 629-633.	7.2	94
16	Structural photoactivation of a full-length bacterial phytochrome. Science Advances, 2016, 2, e1600920.	4.7	94
17	Photosynthetic Antennaâ^'Reaction Center Mimicry: Sequential Energy- and Electron Transfer in a Self-assembled Supramolecular Triad Composed of Boron Dipyrrin, Zinc Porphyrin and Fullerene. Journal of Physical Chemistry A, 2009, 113, 8478-8489.	1.1	93
18	Tuning the Ground-State and Excited-State Interchromophore Interactions in Porphyrinâ^'Fullerene Ï€-Stacks. Journal of Physical Chemistry B, 2004, 108, 16377-16385.	1.2	91

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19	Electronic energy harvesting multi BODIPY-zinc porphyrin dyads accommodating fullerene as photosynthetic composite of antenna-reaction center. Physical Chemistry Chemical Physics, 2010, 12, 7434.	1.3	87
20	Aluminum doped zinc oxide films grown by atomic layer deposition for organic photovoltaic devices. Solar Energy Materials and Solar Cells, 2010, 94, 1379-1383.	3.0	78
21	Vectorial Photoinduced Electron Transfer in Phytochlorinâ^'[60]Fullerene Langmuirâ^'Blodgett Films. Journal of Physical Chemistry B, 2000, 104, 6371-6379.	1.2	75
22	Bâ€Site Coâ€Alloying with Germanium Improves the Efficiency and Stability of Allâ€Inorganic Tinâ€Based Perovskite Nanocrystal Solar Cells. Angewandte Chemie - International Edition, 2020, 59, 22117-22125.	7.2	75
23	Multiexciton Dynamics Depending on Intramolecular Orientations in Pentacene Dimers: Recombination and Dissociation of Correlated Triplet Pairs. Journal of Physical Chemistry Letters, 2018, 9, 3354-3360.	2.1	73
24	Effects of Porphyrin Substituents on Film Structure and Photoelectrochemical Properties of Porphyrin/Fullerene Composite Clusters Electrophoretically Deposited on Nanostructured SnO₂ Electrodes. Chemistry - A European Journal, 2007, 13, 10182-10193.	1.7	70
25	Triarylamineâ€Substituted Imidazoleâ€and Quinoxalineâ€Fused Pushâ€"Pull Porphyrins for Dyeâ€Sensitized Solar Cells. ChemSusChem, 2013, 6, 508-517.	3.6	70
26	LINEAR AND SECOND-ORDER NONLINEAR OPTICAL PROPERTIES OF ARRAYS OF NONCENTROSYMMETRIC GOLD NANOPARTICLES. Journal of Nonlinear Optical Physics and Materials, 2002, 11, 421-432.	1.1	69
27	Photoinduced Electron Transfer in Langmuirâ^'Blodgett Monolayers of Porphyrinâ^'Fullerene Dyads. Langmuir, 2005, 21, 5383-5390.	1.6	69
28	Photophysical Processes in the Complexes of DNA with Ethidium Bromide and Acridine Orange:Â A Femtosecond Study. Journal of Physical Chemistry B, 2001, 105, 535-541.	1.2	67
29	Hostâ€"Guest Interactions in the Supramolecular Incorporation of Fullerenes into Tailored Holes on Porphyrin-Modified Gold Nanoparticles in Molecular Photovoltaics. Chemistry - A European Journal, 2005, 11, 7265-7275.	1.7	66
30	Photoinduced electron transfer of double-bridged phthalocyanineâ€"fullerene dyads. Chemical Physics Letters, 2006, 430, 36-40.	1.2	65
31	Substituent Effects of Porphyrins on Structures and Photophysical Properties of Amphiphilic Porphyrin Aggregates. Journal of Physical Chemistry B, 2008, 112, 16517-16524.	1.2	64
32	Exciplex Mediated Photoinduced Electron Transfer Reactions of Phthalocyanine-Fullerene Dyads. Journal of Physical Chemistry A, 2008, 112, 6884-6892.	1.1	62
33	Photophysics and photoelectrochemical properties of nanohybrids consisting of fullerene-encapsulated single-walled carbon nanotubes and poly(3-hexylthiophene). Energy and Environmental Science, 2011, 4, 741-750.	15.6	60
34	Photoinduced Electron Transfer in Self-Assembled Monolayers of Porphyrinâ^'Fullerene Dyads on ITO. Langmuir, 2005, 21, 6385-6391.	1.6	59
35	Sequential Photoinduced Energy and Electron Transfer Directed Improved Performance of the Supramolecular Solar Cell of a Zinc Porphyrinâ€"Zinc Phthalocyanine Conjugate Modified TiO₂ Surface. Journal of Physical Chemistry C, 2013, 117, 763-773.	1.5	59
36	Photoinduced electron-transfer dynamics and long-lived CS states of donorâ€"acceptor linked dyads and a triad containing a gold porphyrin in nonpolar solvents. Chemical Physics, 2006, 326, 3-14.	0.9	56

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37	Preparation and Photophysical and Photoelectrochemical Properties of a Covalently Fixed Porphyrinâ€“Chemically Converted Graphene Composite. Chemistry - A European Journal, 2012, 18, 4250-4257.	1.7	55
38	Synthesis and Photophysical Properties of Electron-Rich Perylenediimide-Fullerene Dyad. Organic Letters, 2006, 8, 4425-4428.	2.4	54
39	Ultrafast excitation transfer and charge stabilization in a newly assembled photosynthetic antenna-reaction center mimic composed of boron dipyrrin, zinc porphyrin and fullerene. Physical Chemistry Chemical Physics, 2011, 13, 18168.	1.3	53
40	Hydrogen-Bonding Effects on Film Structure and Photoelectrochemical Properties of Porphyrin and Fullerene Composites on Nanostructured TiO2Electrodes. Journal of Physical Chemistry C, 2007, 111, 13618-13626.	1.5	52
41	Ultrafast Singletâ^'Singlet Energy Transfer in Self-Assembled via Metalâ^'Ligand Axial Coordination of Free-Base Porphyrinâ^'Zinc Phthalocyanine and Free-Base Porphyrinâ^'Zinc Naphthalocyanine Dyads. Journal of Physical Chemistry A, 2010, 114, 268-277.	1.1	52
42	Effects of Carbonâ€“Metalâ€“Carbon Linkages on the Optical, Photophysical, and Electrochemical Properties of Phosphametallacycle-Linked Coplanar Porphyrin Dimers. Journal of the American Chemical Society, 2012, 134, 1825-1839.	6.6	50
43	C70vs. C60in zinc porphyrinâ€“fullerene dyads: prolonged charge separation and ultrafast energy transfer from the second excited singlet state of porphyrin. Photochemical and Photobiological Sciences, 2003, 2, 251-258.	1.6	46
44	Synthesis and properties of a meso- trisâ€“ferrocene appended zinc(ii) porphyrin and a critical evaluation of its dye sensitised solar cell (DSSC) performance. RSC Advances, 2014, 4, 22733-22742.	1.7	45
45	Role of the Bridge in Photoinduced Electron Transfer in Porphyrinâ€“Fullerene Dyads. Chemistry - A European Journal, 2015, 21, 5814-5825.	1.7	45
46	Photoinduced Electron Transfer in 9â€Substituted 10â€Methylacridinium Ions. Chemistry - A European Journal, 2017, 23, 1306-1317.	1.7	45
47	Photoinduced Electron Transfer in Double-Bridged Porphyrinâ^'Fullerene Triads. Journal of Physical Chemistry A, 2005, 109, 4881-4890.	1.1	44
48	The photophysics of salicylic acid derivatives in aqueous solution. Journal of Physical Organic Chemistry, 2009, 22, 449-454.	0.9	44
49	Selective Formation and Efficient Photocurrent Generation of [70]Fullereneâ€“Singleâ€Walled Carbon Nanotube Composites. Advanced Materials, 2010, 22, 1767-1770.	11.1	44
50	Direct Evidence of Significantly Different Chemical Behavior and Excitedâ€State Dynamics of 1,7â€•and 1,6â€Regioisomers of Pyrrolidinylâ€Substituted Perylene Diimide. Chemistry - A European Journal, 2013, 19, 6791-6806.	1.7	44
51	Efficient synthesis of highly soluble doubly-bridged porphyrin-fullerene dyad. Journal of Porphyrins and Phthalocyanines, 2003, 07, 610-616.	0.4	43
52	Excited State Intramolecular Proton Transfer in Electron-Rich and Electron-Poor Derivatives of 10-Hydroxybenzo[h]quinoline. Journal of Physical Chemistry A, 2012, 116, 9614-9620.	1.1	42
53	Ultrafast charge transfer in phytochlorinâ€“[60]fullerene dyads: influence of the attachment position. Chemical Physics Letters, 2001, 345, 213-218.	1.2	41
54	Driving Force Dependence of Photoinduced Electron Transfer Dynamics of Intercalated Molecules in DNA. Journal of Physical Chemistry B, 2003, 107, 12511-12518.	1.2	41

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55	Arrangement of a Hydrophobically Shielded Porphyrin, 5,10,15,20-Tetrakis(3,5-di-tert-butylphenyl)porphyrin, in Octadecylamine Langmuirâ^'Blodgett Multilayers. Langmuir, 1997, 13, 3002-3008.	1.6	40
56	Large Reorganization Energy of Pyrrolidine-Substituted Perylenediimide in Electron Transfer. Journal of Physical Chemistry C, 2007, 111, 6133-6142.	1.5	40
57	Gold Nanoparticle Enhanced Charge Transfer in Thin Film Assemblies of Porphyrinâ^'Fullerene Dyads. Langmuir, 2007, 23, 13117-13125.	1.6	40
58	Photoinduced intra- and intermolecular electron transfer in solutions and in solid organized molecular assemblies. Physical Chemistry Chemical Physics, 2011, 13, 397-412.	1.3	39
59	The fluorine effect: photophysical properties of borondipyrromethene (bodipy) dyes appended at the meso position with fluorinated aryl groups. RSC Advances, 2012, 2, 4944.	1.7	39
60	Fluorescence Properties of the Chromophore-Binding Domain of Bacteriophytochrome from Deinococcus radiodurans. Journal of Physical Chemistry B, 2013, 117, 11049-11057.	1.2	39
61	Time-resolved fluorescence methods (IUPAC Technical Report). Pure and Applied Chemistry, 2014, 86, 1969-1998.	0.9	39
62	Chlorophylls. IX. The first phytochlorinâ€"fullerene dyads: synthesis and conformational studies. Journal of the Chemical Society Perkin Transactions 1, 1999, , 2403-2408.	0.9	38
63	Photoinduced Electron Transfer in CdSe/ZnS Quantum Dotâ€"Fullerene Hybrids. Journal of Physical Chemistry C, 2015, 119, 17561-17572.	1.5	38
64	mesoâ€3,5â€Bis(trifluoromethyl)phenylâ€Substituted Expanded Porphyrins: Synthesis, Characterization, and Optical, Electrochemical, and Photophysical Properties. Chemistry - an Asian Journal, 2008, 3, 2065-2074.	1.7	37
65	Self-Assembled Porphyrins on Modified Zinc Oxide Nanorods: Development of Model Systems for Inorganicâ€"Organic Semiconductor Interface Studies. Journal of Physical Chemistry C, 2012, 116, 2336-2343.	1.5	37
66	The Role of the Exciplex State in Photoinduced Electron Transfer of Phytochlorinâ^'[60]Fullerene Dyads. Journal of Physical Chemistry A, 2002, 106, 8029-8038.	1.1	36
67	Drastic Difference in Lifetimes of the Charge-Separated State of the Formanilideâ^'Anthraquinone Dyad versus the Ferroceneâ^'Formanilideâ^'Anthraquinone Triad and Their Photoelectrochemical Properties of the Composite Films with Fullerene Clusters. Journal of Physical Chemistry A, 2005, 109, 4662-4670.	1.1	36
68	Photoinduced Electron Transfer in Langmuirâ^'Blodgett Monolayers of Double-Linked Phthalocyanineâ^'Fullerene Dyads. Journal of Physical Chemistry C, 2008, 112, 9896-9902.	1.5	35
69	Excited State Intramolecular Proton Transfer in Ï€-Expanded Phenazine-Derived Phenols. Journal of Physical Chemistry A, 2014, 118, 144-151.	1.1	35
70	Highâ€Yield Excited Triplet States in Pentacene Selfâ€Assembled Monolayers on Gold Nanoparticles through Singlet Exciton Fission. Angewandte Chemie - International Edition, 2016, 55, 5230-5234.	7.2	35
71	Critical role and modification of surface states in hematite films for enhancing oxygen evolution activity. Journal of Materials Research, 2018, 33, 455-466.	1.2	35
72	Hydrogen Bonding Effects on the Surface Structure and Photoelectrochemical Properties of Nanostructured SnO2Electrodes Modified with Porphyrin and Fullerene Composites. Journal of Physical Chemistry B, 2005, 109, 18465-18474.	1.2	34

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73	Carbon Nanotube Wiring of Donorâ€“Acceptor Nanograins by Selfâ€Assembly and Efficient Charge Transport. Angewandte Chemie - International Edition, 2011, 50, 4615-4619.	7.2	34
74	Molecular interactions on single-walled carbon nanotubes revealed by high-resolution transmission microscopy. Nature Communications, 2015, 6, 7732.	5.8	33
75	Porphyrinâ€“fullerene dyad with a long linker: formation of charge transfer conformer in Langmuirâ€“Blodgett film. Chemical Physics Letters, 2002, 366, 245-252.	1.2	32
76	Photoinduced electron transfer in multilayer self-assembled structures of porphyrins and porphyrinâ€“fullerene dyads on ITO. Journal of Materials Chemistry, 2005, 15, 4546.	6.7	32
77	Synthesis, Conformational Interconversion, and Photophysics of Tethered Porphyrinâ€“Fullerene Dyads with Parachute Topology. Chemistry - A European Journal, 2009, 15, 7698-7705.	1.7	32
78	Photophysics of Fe(III)â€“tartrate and Fe(III)â€“citrate complexes in aqueous solutions. Chemical Physics Letters, 2012, 530, 45-48.	1.2	32
79	Excited-State Interaction of Red and Green Perylene Diimides with Luminescent Ru(II) Polypyridine Complex. Inorganic Chemistry, 2013, 52, 9761-9773.	1.9	32
80	Quantitative Sequential Photoenergy Conversion Process from Singlet Fission to Intermolecular Two-Electron Transfers Utilizing Tetracene Dimer. ACS Energy Letters, 2019, 4, 26-31.	8.8	32
81	The photovoltage signals of bacteriorhodopsin in Langmuir-Blodgett films with different molecular orientations. Advanced Materials for Optics and Electronics, 1993, 2, 115-122.	0.6	31
82	Subpicosecond to Second Time-Scale Charge Carrier Kinetics in Hematiteâ€“Titania Nanocomposite Photoanodes. Journal of Physical Chemistry Letters, 2015, 6, 2859-2864.	2.1	31
83	Light-Induced Electron Transfer in Pyropheophytinâ^'Anthraquinone Dyads:Â Vectorial Charge Transfer in Langmuirâ^'Blodgett Films. Journal of Physical Chemistry A, 1999, 103, 3657-3665.	1.1	30
84	Redox processes in photochemistry of Pt(iv) hexahaloid complexes. RSC Advances, 2012, 2, 5768.	1.7	30
85	Large Stokes Shift Fluorescent Dyes Based on a Highly Substituted Terephthalic Acid Core. Organic Letters, 2012, 14, 1374-1377.	2.4	30
86	Controlled Orientations of Neighboring Tetracene Units by Mixed Self-Assembled Monolayers on Gold Nanoclusters for High-Yield and Long-Lived Triplet Excited States through Singlet Fission. Journal of the American Chemical Society, 2019, 141, 14720-14727.	6.6	30
87	Endothermic and Exothermic Energy Transfer Made Equally Efficient for Tripletâ€“Triplet Annihilation Upconversion. Journal of Physical Chemistry Letters, 2020, 11, 318-324.	2.1	30
88	Fluorescent Protein Based FRET Pairs with Improved Dynamic Range for Fluorescence Lifetime Measurements. PLoS ONE, 2015, 10, e0134436.	1.1	30
89	Photodynamics of Charge Separation and Recombination in Solid Alternating Films of Phthalocyanine or Phthalocyanineâ^'Fullerene Dyad and Perylene Dicarboximide. Journal of Physical Chemistry C, 2009, 113, 1984-1992.	1.5	29
90	Porphyrin adsorbed on the (101Ì„0) surface of the wurtzite structure of ZnO â€“ conformation induced effects on the electron transfer characteristics. Physical Chemistry Chemical Physics, 2013, 15, 17408.	1.3	29

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91	Effects of fullerene encapsulation on structure and photophysical properties of porphyrin-linked single-walled carbon nanotubes. Chemical Communications, 2011, 47, 11781.	2.2	28
92	Syntheses and Excitation Transfer Studies of Near-Orthogonal Free-Base Porphyrinâ€“Ruthenium Phthalocyanine Dyads and Pentad. Inorganic Chemistry, 2012, 51, 3656-3665.	1.9	28
93	Charge transfer dynamics in CsPbBr3 perovskite quantum dotsâ€“anthraquinone/fullerene (C60) hybrids. Nanoscale, 2019, 11, 862-869.	2.8	28
94	Synthesis and time-resolved fluorescence study of porphyrin-functionalized gold nanoparticles. Journal of Photochemistry and Photobiology A: Chemistry, 2010, 212, 129-134.	2.0	27
95	Refractive index change dominates the transient absorption response of metal halide perovskite thin films in the near infrared. Physical Chemistry Chemical Physics, 2019, 21, 14663-14670.	1.3	27
96	Exclusive occurrence of photoinduced energy transfer and switching of its direction by rectangular Ï€-extension of nanographenes. Chemical Science, 2019, 10, 6642-6650.	3.7	27
97	Effect on Charge Transfer and Charge Recombination by Insertion of a Naphthaleneâ€Based Bridge in Molecular Dyads Based on Borondipyrromethene (Bodipy). ChemPhysChem, 2012, 13, 3672-3681.	1.0	26
98	Probing the excited state dynamics of a new family of Cu(i)-complexes with an enhanced light absorption capacity: excitation-wavelength dependent population of states through branching. Physical Chemistry Chemical Physics, 2013, 15, 13128.	1.3	26
99	Photoinduced interlayer electron transfer in alternating porphyrinâ€“fullerene dyad and regioregular poly(3-hexylthiophene) Langmuirâ€“Blodgett films. Journal of Photochemistry and Photobiology A: Chemistry, 2006, 178, 185-191.	2.0	25
100	Photoinduced Energy and Charge Transfer in Layered Porphyrin-Gold Nanoparticle Thin Films. Journal of Physical Chemistry C, 2008, 112, 10316-10322.	1.5	25
101	Quantitative Analysis of Intramolecular Exciplex and Electron Transfer in a Double-Linked Zinc Porphyrinâ€“Fullerene Dyad. Journal of Physical Chemistry A, 2012, 116, 9653-9661.	1.1	25
102	Dynamics of time-resolved photoluminescence in GaInNAs and GaNAsSb solar cells. Nanoscale Research Letters, 2014, 9, 80.	3.1	25
103	Charge carrier dynamics in tantalum oxide overlayered and tantalum doped hematite photoanodes. Journal of Materials Chemistry A, 2019, 7, 3206-3215.	5.2	25
104	A Pentaceneâ€based Nanotube Displaying Enriched Electrochemical and Photochemical Activities. Angewandte Chemie, 2019, 131, 1127-1131.	1.6	25
105	Tunable Ti³⁺-Mediated Charge Carrier Dynamics of Atomic Layer Deposition-Grown Amorphous TiO₂. Journal of Physical Chemistry C, 2022, 126, 4542-4554.	1.5	25
106	Light-Induced Electron Transfer in Pyropheophytinâ^'Anthraquinone and Phytochlorinâ^'Anthraquinone Dyads:Â Influence of Conformational Exchange. Journal of Physical Chemistry A, 1999, 103, 3646-3656.	1.1	24
107	Femtosecond to nanosecond spectroscopy of transition metal-doped TiO2 particles. Journal of Photochemistry and Photobiology A: Chemistry, 2005, 175, 8-14.	2.0	24
108	Exciplexâ^'Exciplex Energy Transfer and Annihilation in Solid Films of Porphyrinâ^'Fullerene Dyads. Journal of the American Chemical Society, 2006, 128, 16036-16037.	6.6	24

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109	Temperature Independent Ultrafast Photoinduced Charge Transfer in Donorâ^'Acceptor Pairs Forming Exciplexes. Journal of Physical Chemistry C, 2009, 113, 11475-11483.	1.5	24
110	Energy and Electron Transfer in Multilayer Films Containing Porphyrinâ^'Fullerene Dyad. Journal of Physical Chemistry C, 2009, 113, 3819-3825.	1.5	24
111	Effect of Mutual Position of Electron Donor and Acceptor on Photoinduced Electron Transfer in Supramolecular Chlorophyllâ€“Fullerene Dyads. Journal of Physical Chemistry A, 2014, 118, 1420-1429.	1.1	24
112	Ï€â€Expanded Î±,Î²â€Unsaturated Ketones: Synthesis, Optical Properties, and Twoâ€Photonâ€Induced Polymerization. ChemPhysChem, 2015, 16, 682-690.	1.0	24
113	Photoinduced Electron Transfer and Photocurrent in Multicomponent Organic Molecular Films Containing Oriented Porphyrin-Fullerene Dyad. Journal of Physical Chemistry C, 2008, 112, 10256-10265.	1.5	23
114	Tuning the FÃ¶rster overlap integral: energy transfer over 20 Ã…ngstroms from a pyrene-based donor to borondipyrromethene (Bodipy). Physical Chemistry Chemical Physics, 2013, 15, 9854.	1.3	23
115	Homoleptic Bis(aryl)acenaphthenequinonediimine-CuIComplexes - Synthesis and Characterization of a Family of Compounds with Improved Light-Gathering Characteristics. European Journal of Inorganic Chemistry, 2013, 2013, 2418-2431.	1.0	23
116	A Pentaceneâ€based Nanotube Displaying Enriched Electrochemical and Photochemical Activities. Angewandte Chemie - International Edition, 2019, 58, 1115-1119.	7.2	23
117	The effect of calcination on photocatalytic activity of TiO2 particles: femtosecond study. Journal of Photochemistry and Photobiology A: Chemistry, 2004, 163, 395-401.	2.0	22
118	Distributed decay kinetics of charge separated state in solid film. Chemical Physics Letters, 2007, 437, 238-242.	1.2	22
119	Exciplex Formation and Excited State Deactivation of Difluoroborondipyrromethene (Bodipy) Dyads. ChemPhysChem, 2010, 11, 1685-1692.	1.0	21
120	Exploring FÃ¶rster electronic energy transfer in a decoupled anthracenyl-based borondipyrromethene (bodipy) dyad. Physical Chemistry Chemical Physics, 2012, 14, 4447.	1.3	21
121	Azafullerene C₅₉Nâ€“Phthalocyanine Dyad: Synthesis, Characterisation and Photoinduced Electron Transfer. ChemPhysChem, 2012, 13, 1246-1254.	1.0	21
122	Synergetic Role of Conformational Flexibility and Electronic Coupling for Quantitative Intramolecular Singlet Fission. Journal of Physical Chemistry C, 2021, 125, 18287-18296.	1.5	21
123	Structure and Photoelectrochemical Properties of Phthalocyanine and Perylene Diimide Composite Clusters Deposited Electrophoretically on Nanostructured SnO2 Electrodes. Langmuir, 2006, 22, 7497-7503.	1.6	20
124	Primary processes in photophysics and photochemistry of <mml:math altimg="si5.gif" display="inline" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd"	1.2	20
125	Effects of Electrode Structure on Photoelectrochemical Properties of ZnO Electrodes Modified with Porphyrinâ^'Fullerene Composite Layers with an Intervening Fullerene Monolayer. Journal of Physical Chemistry C, 2009, 113, 10819-10828.	1.5	20
126	Controllable Electronic Structures and Photoinduced Processes of Bayâ€Linked Perylenediimide Dimers and a Ferroceneâ€Linked Triad. Chemistry - A European Journal, 2016, 22, 9631-9641.	1.7	20

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127	Optimization of Photogenerated Charge Carrier Lifetimes in ALD Grown TiO2 for Photonic Applications. Nanomaterials, 2020, 10, 1567.	1.9	20
128	Photoinduced charge transfer through films containing poly(hexylthiophene), phthalocyanine, and porphyrinâ€“fullerene layers. Thin Solid Films, 2009, 517, 2988-2993.	0.8	19
129	Effect of gold nanoparticles on intramolecular exciplex emission in organized porphyrinâ€“fullerene dyad films. Chemical Physics Letters, 2009, 471, 269-275.	1.2	19
130	Photophysical Study of a Self-Assembled Donorâ€“Acceptor Two-Layer Film on TiO₂. Langmuir, 2015, 31, 944-952.	1.6	19
131	Supramolecular Singlet Fission of Pentacene Dimers within Polyaromatic Capsules. Journal of the American Chemical Society, 2021, 143, 9361-9367.	6.6	19
132	PHOTOPHYSICAL PROPERTIES OF CHLOROPHYLL a LANGMUIRâ€BLODGETT MULTILAYER FILMS. Photochemistry and Photobiology, 1993, 58, 284-289.	1.3	18
133	Electronically Coupled Uranium and Iron Oxide Heterojunctions as Efficient Water Oxidation Catalysts. Advanced Functional Materials, 2019, 29, 1905005.	7.8	18
134	Modification of Surface States of Hematite-Based Photoanodes by Submonolayer of TiO₂ for Enhanced Solar Water Splitting. Journal of Physical Chemistry C, 2020, 124, 13094-13101.	1.5	18
135	The kinetics of charges in dry bacteriorhodopsin Langmuir-Blodgett filmsâ€”an analysis and comparison of electrical and optical signals. Advanced Materials for Optics and Electronics, 1993, 2, 211-220.	0.6	17
136	Kinetics of Photoinduced Electron Transfer in Polythiopheneâ^'Porphyrinâ^'Fullerene Molecular Films. Journal of Physical Chemistry B, 2006, 110, 19515-19520.	1.2	17
137	Excitation energy transfer in the LHC-II trimer: from carotenoids to chlorophylls in space and time. Photosynthesis Research, 2011, 107, 195-207.	1.6	17
138	Chain processes in the photochemistry of PtIV halide complexes in aqueous solutions. Russian Chemical Bulletin, 2013, 62, 1540-1548.	0.4	17
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