

Nikolai Tkachenko

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264
papers

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h-index

71
g-index

277
ext. papers

7,822
ext. citations

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L-index

#	Paper	IF	Citations
264	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. <i>Journal of the American Chemical Society</i> , 2004 , 126, 1600-1	16.4	452
263	Photoinduced Electron Transfer in Phytochlorin[60]Fullerene Dyads. <i>Journal of the American Chemical Society</i> , 1999 , 121, 9378-9387	16.4	254
262	An Extremely Small Reorganization Energy of Electron Transfer in PorphyrinFullerene Dyad. <i>Journal of Physical Chemistry A</i> , 2001 , 105, 1750-1756	2.8	251
261	Charge separation in a nonfluorescent donor-acceptor dyad derived from boron dipyrromethene dye, leading to photocurrent generation. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 15368-75	3.4	211
260	Ultrafast Photodynamics of Exciplex Formation and Photoinduced Electron Transfer in PorphyrinFullerene Dyads Linked at Close Proximity. <i>Journal of Physical Chemistry A</i> , 2003 , 107, 8834-8844	2.8	147
259	Effects of meso-Diarylamino Group of Porphyrins as Sensitizers in Dye-Sensitized Solar Cells on Optical, Electrochemical, and Photovoltaic Properties. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 10656-10665	3.8	138
258	Exciplex intermediates in photoinduced electron transfer of porphyrin-fullerene dyads. <i>Journal of the American Chemical Society</i> , 2002 , 124, 8067-77	16.4	135
257	Charge-transfer emission of compact porphyrin-fullerene dyad analyzed by Marcus theory of electron-transfer. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2001 , 57, 2229-44	4.4	128
256	Long-Lived Triplet Excited States of Bent-Shaped Pentacene Dimers by Intramolecular Singlet Fission. <i>Journal of Physical Chemistry A</i> , 2016 , 120, 1867-75	2.8	109
255	Azobenzene-linked porphyrin-fullerene dyads. <i>Journal of the American Chemical Society</i> , 2007 , 129, 15973-82	16.4	108
254	Effects of Elongation and the Fused Position of Quinoxaline-Fused Porphyrins as Sensitizers in Dye-Sensitized Solar Cells on Optical, Electrochemical, and Photovoltaic Properties. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 11293-11304	3.8	97
253	Photoinduced Charge and Energy Transfer in Phthalocyanine-Functionalized Gold Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 162-168	3.8	96
252	Optical, Electrochemical, and Photovoltaic Effects of an Electron-Withdrawing Tetrafluorophenylene Bridge in a PushPull Porphyrin Sensitizer Used for Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 14415-14424	3.8	92
251	Energy and electron transfer in beta-alkynyl-linked porphyrin-[60]fullerene dyads. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 14155-66	3.4	92
250	Photosynthetic antenna-reaction center mimicry: sequential energy- and electron transfer in a self-assembled supramolecular triad composed of boron dipyrin, zinc porphyrin and fullerene. <i>Journal of Physical Chemistry A</i> , 2009 , 113, 8478-89	2.8	88
249	Tuning the Ground-State and Excited-State Interchromophore Interactions in PorphyrinFullerene EStacks. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 16377-16385	3.4	86
248	Electronic energy harvesting multi BODIPY-zinc porphyrin dyads accommodating fullerene as photosynthetic composite of antenna-reaction center. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 7434-44	3.6	84

247	Remarkable Dependence of the Final Charge Separation Efficiency on the Donor-Acceptor Interaction in Photoinduced Electron Transfer. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 629-334	16.4	79
246	Aluminum doped zinc oxide films grown by atomic layer deposition for organic photovoltaic devices. <i>Solar Energy Materials and Solar Cells</i> , 2010 , 94, 1379-1383	6.4	71
245	Structural photoactivation of a full-length bacterial phytochrome. <i>Science Advances</i> , 2016 , 2, e1600920	14.3	70
244	Effects of porphyrin substituents on film structure and photoelectrochemical properties of porphyrin/fullerene composite clusters electrophoretically deposited on nanostructured SnO ₂ electrodes. <i>Chemistry - A European Journal</i> , 2007 , 13, 10182-93	4.8	69
243	Vectorial Photoinduced Electron Transfer in Phytochlorin[60]Fullerene Langmuir-Blodgett Films. <i>Journal of Physical Chemistry B</i> , 2000 , 104, 6371-6379	3.4	68
242	Photoinduced electron transfer in Langmuir-Blodgett monolayers of porphyrin-fullerene dyads. <i>Langmuir</i> , 2005 , 21, 5383-90	4	64
241	Photoinduced electron transfer of double-bridged phthalocyanine-fullerene dyads. <i>Chemical Physics Letters</i> , 2006 , 430, 36-40	2.5	63
240	Host-guest interactions in the supramolecular incorporation of fullerenes into tailored holes on porphyrin-modified gold nanoparticles in molecular photovoltaics. <i>Chemistry - A European Journal</i> , 2005 , 11, 7265-75	4.8	63
239	Photophysical Processes in the Complexes of DNA with Ethidium Bromide and Acridine Orange: A Femtosecond Study. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 535-541	3.4	61
238	Triarylamine-substituted imidazole- and quinoxaline-fused push-pull porphyrins for dye-sensitized solar cells. <i>ChemSusChem</i> , 2013 , 6, 508-17	8.3	60
237	Substituent effects of porphyrins on structures and photophysical properties of amphiphilic porphyrin aggregates. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 16517-24	3.4	60
236	Exciplex mediated photoinduced electron transfer reactions of phthalocyanine-fullerene dyads. <i>Journal of Physical Chemistry A</i> , 2008 , 112, 6884-92	2.8	59
235	Photophysics and photoelectrochemical properties of nanohybrids consisting of fullerene-encapsulated single-walled carbon nanotubes and poly(3-hexylthiophene). <i>Energy and Environmental Science</i> , 2011 , 4, 741-750	35.4	56
234	Photoinduced electron transfer in self-assembled monolayers of porphyrin-fullerene dyads on ITO. <i>Langmuir</i> , 2005 , 21, 6385-91	4	55
233	Photoinduced electron-transfer dynamics and long-lived CS states of donor-acceptor linked dyads and a triad containing a gold porphyrin in nonpolar solvents. <i>Chemical Physics</i> , 2006 , 326, 3-14	2.3	54
232	LINEAR AND SECOND-ORDER NONLINEAR OPTICAL PROPERTIES OF ARRAYS OF NONCENTROSYMMETRIC GOLD NANOPARTICLES. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2002 , 11, 421-432	0.8	54
231	Ultrafast excitation transfer and charge stabilization in a newly assembled photosynthetic antenna-reaction center mimic composed of boron dipyrin, zinc porphyrin and fullerene. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 18168-78	3.6	53
230	Multiexciton Dynamics Depending on Intramolecular Orientations in Pentacene Dimers: Recombination and Dissociation of Correlated Triplet Pairs. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 3354-3360	6.4	53

229	Sequential Photoinduced Energy and Electron Transfer Directed Improved Performance of the Supramolecular Solar Cell of a Zinc Porphyrin-Zinc Phthalocyanine Conjugate Modified TiO ₂ Surface. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 763-773	3.8	52
228	Synthesis and photophysical properties of electron-rich perylene diimide-fullerene dyad. <i>Organic Letters</i> , 2006 , 8, 4425-8	6.2	52
227	Preparation and photophysical and photoelectrochemical properties of a covalently fixed porphyrin-chemically converted graphene composite. <i>Chemistry - A European Journal</i> , 2012 , 18, 4250-7	4.8	50
226	Hydrogen-Bonding Effects on Film Structure and Photoelectrochemical Properties of Porphyrin and Fullerene Composites on Nanostructured TiO ₂ Electrodes. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 13618-13626	3.8	50
225	Effects of carbon-metal-carbon linkages on the optical, photophysical, and electrochemical properties of phosphametallacycle-linked coplanar porphyrin dimers. <i>Journal of the American Chemical Society</i> , 2012 , 134, 1825-39	16.4	49
224	Ultrafast singlet-singlet energy transfer in self-assembled via metal-ligand axial coordination of free-base porphyrin-zinc phthalocyanine and free-base porphyrin-zinc naphthalocyanine dyads. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 268-77	2.8	47
223	C70 vs. C60 in zinc porphyrin-fullerene dyads: prolonged charge separation and ultrafast energy transfer from the second excited singlet state of porphyrin. <i>Photochemical and Photobiological Sciences</i> , 2003 , 2, 251-8	4.2	44
222	Selective formation and efficient photocurrent generation of [70]fullerene-single-walled carbon nanotube composites. <i>Advanced Materials</i> , 2010 , 22, 1767-70	24	43
221	Photoinduced electron transfer in double-bridged porphyrin-fullerene triads. <i>Journal of Physical Chemistry A</i> , 2005 , 109, 4881-90	2.8	43
220	Efficient synthesis of highly soluble doubly-bridged porphyrin-fullerene dyad. <i>Journal of Porphyrins and Phthalocyanines</i> , 2003 , 07, 610-616	1.8	41
219	The photophysics of salicylic acid derivatives in aqueous solution. <i>Journal of Physical Organic Chemistry</i> , 2009 , 22, 449-454	2.1	40
218	Driving Force Dependence of Photoinduced Electron Transfer Dynamics of Intercalated Molecules in DNA. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 12511-12518	3.4	40
217	Ultrafast charge transfer in phytychlorin[60]fullerene dyads: influence of the attachment position. <i>Chemical Physics Letters</i> , 2001 , 345, 213-218	2.5	39
216	Role of the bridge in photoinduced electron transfer in porphyrin-fullerene dyads. <i>Chemistry - A European Journal</i> , 2015 , 21, 5814-25	4.8	38
215	Synthesis and properties of a meso- trisferrocene appended zinc(II) porphyrin and a critical evaluation of its dye sensitised solar cell (DSSC) performance. <i>RSC Advances</i> , 2014 , 4, 22733-22742	3.7	38
214	Excited state intramolecular proton transfer in electron-rich and electron-poor derivatives of 10-hydroxybenzo[h]quinoline. <i>Journal of Physical Chemistry A</i> , 2012 , 116, 9614-20	2.8	38
213	Direct evidence of significantly different chemical behavior and excited-state dynamics of 1,7- and 1,6-regioisomers of pyrrolidinyl-substituted perylene diimide. <i>Chemistry - A European Journal</i> , 2013 , 19, 6791-806	4.8	38
212	Photoinduced intra- and intermolecular electron transfer in solutions and in solid organized molecular assemblies. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 397-412	3.6	37

211	Large Reorganization Energy of Pyrrolidine-Substituted Perylene diimide in Electron Transfer. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 6133-6142	3.8	37
210	Photoinduced Electron Transfer in CdSe/ZnS Quantum Dot/Fullerene Hybrids. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 17561-17572	3.8	36
209	The Role of the Exciplex State in Photoinduced Electron Transfer of Phytychlorin[60]Fullerene Dyads. <i>Journal of Physical Chemistry A</i> , 2002 , 106, 8029-8038	2.8	36
208	Arrangement of a Hydrophobically Shielded Porphyrin, 5,10,15,20-Tetrakis(3,5-di-tert-butylphenyl)porphyrin, in Octadecylamine Langmuir-Blodgett Multilayers. <i>Langmuir</i> , 1997 , 13, 3002-3008	4	35
207	Gold nanoparticle enhanced charge transfer in thin film assemblies of porphyrin-fullerene dyads. <i>Langmuir</i> , 2007 , 23, 13117-25	4	35
206	Excited state intramolecular proton transfer in π -expanded phenazine-derived phenols. <i>Journal of Physical Chemistry A</i> , 2014 , 118, 144-51	2.8	34
205	Drastic difference in lifetimes of the charge-separated state of the formanilide-anthraquinone dyad versus the ferrocene-formanilide-anthraquinone triad and their photoelectrochemical properties of the composite films with fullerene clusters. <i>Journal of Physical Chemistry A</i> , 2005 , 109, 4662-70	2.8	34
204	Photoinduced Electron Transfer in 9-Substituted 10-Methylacridinium Ions. <i>Chemistry - A European Journal</i> , 2017 , 23, 1306-1317	4.8	33
203	Self-Assembled Porphyrins on Modified Zinc Oxide Nanorods: Development of Model Systems for Inorganic/Organic Semiconductor Interface Studies. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 2336-2343	3.8	33
202	Critical role and modification of surface states in hematite films for enhancing oxygen evolution activity. <i>Journal of Materials Research</i> , 2018 , 33, 455-466	2.5	32
201	Time-resolved fluorescence methods (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , 2014 , 86, 1969-1998	2.1	32
200	The fluorine effect: photophysical properties of boron-dipyrromethene (bodipy) dyes appended at the meso position with fluorinated aryl groups. <i>RSC Advances</i> , 2012 , 2, 4944	3.7	32
199	Carbon nanotube wiring of donor-acceptor nanograins by self-assembly and efficient charge transport. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 4615-9	16.4	32
198	Photoinduced Electron Transfer in Langmuir-Blodgett Monolayers of Double-Linked Phthalocyanine/Fullerene Dyads. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 9896-9902	3.8	32
197	Hydrogen bonding effects on the surface structure and photoelectrochemical properties of nanostructured SnO ₂ electrodes modified with porphyrin and fullerene composites. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 18465-74	3.4	32
196	High-Yield Excited Triplet States in Pentacene Self-Assembled Monolayers on Gold Nanoparticles through Singlet Exciton Fission. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 5230-4	16.4	32
195	Photoinduced electron transfer in multilayer self-assembled structures of porphyrins and porphyrin/Fullerene dyads on ITO. <i>Journal of Materials Chemistry</i> , 2005 , 15, 4546		31
194	Fluorescence properties of the chromophore-binding domain of bacteriophytochrome from <i>Deinococcus radiodurans</i> . <i>Journal of Physical Chemistry B</i> , 2013 , 117, 11049-57	3.4	30

193	Chlorophylls. IX. The first phytychlorin-fullerene dyads: synthesis and conformational studies. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1999 , 2403-2408		30
192	Redox processes in photochemistry of Pt(IV) hexahaloid complexes. <i>RSC Advances</i> , 2012 , 2, 5768	3.7	29
191	meso-3,5-Bis(trifluoromethyl)phenyl-substituted expanded porphyrins: synthesis, characterization, and optical, electrochemical, and photophysical properties. <i>Chemistry - an Asian Journal</i> , 2008 , 3, 2065-74	4.5	29
190	The photovoltage signals of bacteriorhodopsin in Langmuir-Blodgett films with different molecular orientations. <i>Advanced Materials for Optics and Electronics</i> , 1993 , 2, 115-122		29
189	B-Site Co-Alloying with Germanium Improves the Efficiency and Stability of All-Inorganic Tin-Based Perovskite Nanocrystal Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 22117-22125	16.4	29
188	Molecular interactions on single-walled carbon nanotubes revealed by high-resolution transmission microscopy. <i>Nature Communications</i> , 2015 , 6, 7732	17.4	28
187	Large Stokes shift fluorescent dyes based on a highly substituted terephthalic acid core. <i>Organic Letters</i> , 2012 , 14, 1374-7	6.2	28
186	Photodynamics of Charge Separation and Recombination in Solid Alternating Films of Phthalocyanine or Phthalocyanine-fullerene Dyad and Perylene Dicarboximide. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 1984-1992	3.8	28
185	Photophysics of Fe(III)tartrate and Fe(III)nitrate complexes in aqueous solutions. <i>Chemical Physics Letters</i> , 2012 , 530, 45-48	2.5	27
184	Synthesis, conformational interconversion, and photophysics of tethered porphyrin-fullerene dyads with parachute topology. <i>Chemistry - A European Journal</i> , 2009 , 15, 7698-705	4.8	27
183	Light-Induced Electron Transfer in Pyropheophytin-anthraquinone Dyads: Vectorial Charge Transfer in Langmuir-Blodgett Films. <i>Journal of Physical Chemistry A</i> , 1999 , 103, 3657-3665	2.8	27
182	Syntheses and excitation transfer studies of near-orthogonal free-base porphyrin-ruthenium phthalocyanine dyads and pentad. <i>Inorganic Chemistry</i> , 2012 , 51, 3656-65	5.1	26
181	Excited-state interaction of red and green perylene diimides with luminescent Ru(II) polypyridine complex. <i>Inorganic Chemistry</i> , 2013 , 52, 9761-73	5.1	26
180	Porphyrin-fullerene dyad with a long linker: formation of charge transfer conformer in Langmuir-Blodgett film. <i>Chemical Physics Letters</i> , 2002 , 366, 245-252	2.5	26
179	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. <i>Journal of the American Chemical Society</i> , 2019 , 141, 14720-14727	16.4	25
178	Subpicosecond to Second Time-Scale Charge Carrier Kinetics in Hematite-Titania Nanocomposite Photoanodes. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 2859-64	6.4	25
177	Synthesis and time-resolved fluorescence study of porphyrin-functionalized gold nanoparticles. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010 , 212, 129-134	4.7	25
176	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. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 13128-36	3.6	24

175	Effect on charge transfer and charge recombination by insertion of a naphthalene-based bridge in molecular dyads based on borondipyrromethene (bodipy). <i>ChemPhysChem</i> , 2012 , 13, 3672-81	3.2	24
174	Effects of fullerene encapsulation on structure and photophysical properties of porphyrin-linked single-walled carbon nanotubes. <i>Chemical Communications</i> , 2011 , 47, 11781-3	5.8	24
173	Energy and Electron Transfer in Multilayer Films Containing PorphyrinFullerene Dyad. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 3819-3825	3.8	24
172	Exciplex-excimer energy transfer and annihilation in solid films of porphyrin-fullerene dyads. <i>Journal of the American Chemical Society</i> , 2006 , 128, 16036-7	16.4	24
171	Photoinduced interlayer electron transfer in alternating porphyrinFullerene dyad and regioregular poly(3-hexylthiophene) LangmuirBlodgett films. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006 , 178, 185-191	4.7	24
170	Femtosecond to nanosecond spectroscopy of transition metal-doped TiO ₂ particles. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2005 , 175, 8-14	4.7	24
169	Light-Induced Electron Transfer in PorphyrinAnthraquinone and PhytyochlorinAnthraquinone Dyads: Influence of Conformational Exchange. <i>Journal of Physical Chemistry A</i> , 1999 , 103, 3646-3656	2.8	24
168	Fluorescent Protein Based FRET Pairs with Improved Dynamic Range for Fluorescence Lifetime Measurements. <i>PLoS ONE</i> , 2015 , 10, e0134436	3.7	24
167	Effect of mutual position of electron donor and acceptor on photoinduced electron transfer in supramolecular chlorophyll-fullerene dyads. <i>Journal of Physical Chemistry A</i> , 2014 , 118, 1420-9	2.8	23
166	Quantitative analysis of intramolecular exciplex and electron transfer in a double-linked zinc porphyrin-fullerene dyad. <i>Journal of Physical Chemistry A</i> , 2012 , 116, 9653-61	2.8	23
165	Photoinduced Electron Transfer and Photocurrent in Multicomponent Organic Molecular Films Containing Oriented Porphyrin-Fullerene Dyad. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 10256-10265	3.8	23
164	Porphyrin adsorbed on the (101) surface of the wurtzite structure of ZnO--conformation induced effects on the electron transfer characteristics. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 17408-18	3.6	22
163	Temperature Independent Ultrafast Photoinduced Charge Transfer in Donor-Acceptor Pairs Forming Exciplexes. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 11475-11483	3.8	22
162	The effect of calcination on photocatalytic activity of TiO ₂ particles: femtosecond study. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2004 , 163, 395-401	4.7	22
161	Remarkable Dependence of the Final Charge Separation Efficiency on the Donor-Acceptor Interaction in Photoinduced Electron Transfer. <i>Angewandte Chemie</i> , 2016 , 128, 639-643	3.6	21
160	Distributed decay kinetics of charge separated state in solid film. <i>Chemical Physics Letters</i> , 2007 , 437, 238-242	2.5	21
159	Quantitative Sequential Photoenergy Conversion Process from Singlet Fission to Intermolecular Two-Electron Transfers Utilizing Tetracene Dimer. <i>ACS Energy Letters</i> , 2019 , 4, 26-31	20.1	21
158	Dynamics of time-resolved photoluminescence in GaInNAs and GaNAsSb solar cells. <i>Nanoscale Research Letters</i> , 2014 , 9, 80	5	20

157	Photoinduced Energy and Charge Transfer in Layered Porphyrin-Gold Nanoparticle Thin Films. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 10316-10322	3.8	20
156	Primary processes in photophysics and photochemistry of PtBr6 ²⁻ complex studied by femtosecond pump-probe spectroscopy. <i>Chemical Physics Letters</i> , 2007 , 442, 78-83	2.5	20
155	Expanded π -unsaturated ketones: synthesis, optical properties, and two-photon-induced polymerization. <i>ChemPhysChem</i> , 2015 , 16, 682-90	3.2	19
154	Tuning the Förster overlap integral: energy transfer over 20 Å from a pyrene-based donor to borondipyrromethene (Bodipy). <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 9854-61	3.6	19
153	Exploring Förster electronic energy transfer in a decoupled anthracenyl-based borondipyrromethene (bodipy) dyad. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 4447-56	3.6	19
152	Azafullerene C59N-phthalocyanine dyad: synthesis, characterisation and photoinduced electron transfer. <i>ChemPhysChem</i> , 2012 , 13, 1246-54	3.2	19
151	Exciplex formation and excited state deactivation of difluoroborondipyrromethene (Bodipy) dyads. <i>ChemPhysChem</i> , 2010 , 11, 1685-92	3.2	19
150	Structure and photoelectrochemical properties of phthalocyanine and perylene diimide composite clusters deposited electrophoretically on nanostructured SnO ₂ electrodes. <i>Langmuir</i> , 2006 , 22, 5497-503	3.4	19
149	Photophysical study of a self-assembled donor-acceptor two-layer film on TiO ₂ . <i>Langmuir</i> , 2015 , 31, 944-52	3.2	18
148	Photoinduced charge transfer through films containing poly(hexylthiophene), phthalocyanine, and porphyrinfullerene layers. <i>Thin Solid Films</i> , 2009 , 517, 2988-2993	2.2	18
147	Effect of gold nanoparticles on intramolecular exciplex emission in organized porphyrinfullerene dyad films. <i>Chemical Physics Letters</i> , 2009 , 471, 269-275	2.5	18
146	Charge transfer dynamics in CsPbBr perovskite quantum dots-anthraquinone/fullerene (C) hybrids. <i>Nanoscale</i> , 2019 , 11, 862-869	7.7	17
145	Homoleptic Bis(aryl)acenaphthenequinonediiimineCu Complexes: Synthesis and Characterization of a Family of Compounds with Improved Light-Gathering Characteristics. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 2418-2431	2.3	17
144	Excitation energy transfer in the LHC-II trimer: from carotenoids to chlorophylls in space and time. <i>Photosynthesis Research</i> , 2011 , 107, 195-207	3.7	17
143	Effects of Electrode Structure on Photoelectrochemical Properties of ZnO Electrodes Modified with PorphyrinFullerene Composite Layers with an Intervening Fullerene Monolayer. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 10819-10828	3.8	17
142	PHOTOPHYSICAL PROPERTIES OF CHLOROPHYLL a LANGMUIR-BLODGETT MULTILAYER FILMS. <i>Photochemistry and Photobiology</i> , 1993 , 58, 284-289	3.6	17
141	A Pentacene-based Nanotube Displaying Enriched Electrochemical and Photochemical Activities. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 1115-1119	16.4	17
140	Refractive index change dominates the transient absorption response of metal halide perovskite thin films in the near infrared. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 14663-14670	3.6	16

139	Exclusive occurrence of photoinduced energy transfer and switching of its direction by rectangular extension of nanographenes. <i>Chemical Science</i> , 2019 , 10, 6642-6650	9.4	16
138	Compact hematite buffer layer as a promoter of nanorod photoanode performances. <i>Scientific Reports</i> , 2016 , 6, 35049	4.9	16
137	Slow Charge Recombination and Enhanced Photoelectrochemical Properties of Diazaporphyrin-Fullerene Linked Dyad. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 1808-1820	3.8	16
136	Long-lived charge separated state in molecular films containing porphyrin-fullerene dyad. <i>Chemical Physics Letters</i> , 2008 , 460, 241-244	2.5	16
135	The kinetics of charges in dry bacteriorhodopsin Langmuir-Blodgett films: an analysis and comparison of electrical and optical signals. <i>Advanced Materials for Optics and Electronics</i> , 1993 , 2, 211-220		16
134	Endothermic and Exothermic Energy Transfer Made Equally Efficient for Triplet-Triplet Annihilation Upconversion. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 318-324	6.4	16
133	Charge carrier dynamics in tantalum oxide overlayers and tantalum doped hematite photoanodes. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 3206-3215	13	15
132	Chain processes in the photochemistry of Pt(IV) halide complexes in aqueous solutions. <i>Russian Chemical Bulletin</i> , 2013 , 62, 1540-1548	1.7	15
131	Ultrafast pump-probe spectroscopy of IrCl ₆ (2-) complex in alcohol solutions. <i>Photochemical and Photobiological Sciences</i> , 2011 , 10, 1709-14	4.2	15
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