

Arkady P Yartsev

List of Publications by Year in descending order

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149
papers

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28274

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105
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151
all docs

151
docs citations

151
times ranked

12367
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of probe pulse duration in picosecond ultrasonics. Applied Physics Letters, 2022, 120, 202201.	3.3	1
2	Comparison of Triethylgallium and Trimethylgallium Precursors for GaInP Nanowire Growth. Physica Status Solidi (B): Basic Research, 2021, 258, 2000400.	1.5	3
3	Photofunctionality of iron(III) N-heterocyclic carbenes and related d transition metal complexes. Coordination Chemistry Reviews, 2021, 426, 213517.	18.8	44
4	Imaging the influence of oxides on the electrostatic potential of photovoltaic InP nanowires. Nano Research, 2021, 14, 4087-4092.	10.4	5
5	In situ passivation of Ga _x In _(1-x) P nanowires using radial Al _y In _(1-y) P shells grown by MOVPE. Nanotechnology, 2021, 32, 425705.	2.6	3
6	Microsecond Photoluminescence and Photoreactivity of a Metal-Centered Excited State in a Hexacarbene-Co(III) Complex. Journal of the American Chemical Society, 2021, 143, 1307-1312.	13.7	50
7	Dye-sensitized solar cells based on Fe N-heterocyclic carbene photosensitizers with improved rod-like push-pull functionality. Chemical Science, 2021, 12, 16035-16053.	7.4	17
8	Ultrafast Optical Generation of Coherent Bright and Dark Surface Phonon Polaritons in Nanowires. ACS Photonics, 2020, 7, 1923-1931.	6.6	2
9	Carrier Recombination Processes in GaAs Wafers Passivated by Wet Nitridation. ACS Applied Materials & Interfaces, 2020, 12, 28360-28367.	8.0	21
10	Photophysics and Photochemistry of Iron Carbene Complexes for Solar Energy Conversion and Photocatalysis. Catalysts, 2020, 10, 315.	3.5	52
11	The role of connectivity in significant bandgap narrowing for fused-pyrene based non-fullerene acceptors toward high-efficiency organic solar cells. Journal of Materials Chemistry A, 2020, 8, 5995-6003.	10.3	11
12	Tracing the Full Bimolecular Photocycle of Iron(III)-Carbene Light Harvesters in Electron-Donating Solvents. Journal of the American Chemical Society, 2020, 142, 8565-8569.	13.7	34
13	Vibronic coherence contributes to photocurrent generation in organic semiconductor heterojunction diodes. Nature Communications, 2020, 11, 617.	12.8	28
14	Effect of hydrogen chloride etching on carrier recombination processes of indium phosphide nanowires. Nanoscale, 2019, 11, 18550-18558.	5.6	13
15	14.7% Efficiency Organic Photovoltaic Cells Enabled by Active Materials with a Large Electrostatic Potential Difference. Journal of the American Chemical Society, 2019, 141, 7743-7750.	13.7	379
16	Band-selective dynamics in charge-transfer excited iron carbene complexes. Faraday Discussions, 2019, 216, 191-210.	3.2	12
17	Effect of Post-Thermal Annealing on the Performance and Charge Photogeneration Dynamics of PffBT4T-2OD/PC71BM Solar Cells. Polymers, 2019, 11, 408.	4.5	20
18	Dimension Engineering of High-Quality InAs Nanostructures on a Wafer Scale. Nano Letters, 2019, 19, 1632-1642.	9.1	29

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19	Luminescence and reactivity of a charge-transfer excited iron complex with nanosecond lifetime. Science, 2019, 363, 249-253.	12.6	249
20	8.0% Efficient All-Polymer Solar Cells with High Photovoltage of 1.1 V and Internal Quantum Efficiency near Unity. Advanced Energy Materials, 2018, 8, 1700908.	19.5	81
21	Directional Negative Thermal Expansion and Large Poisson Ratio in $\text{CH}_3\text{NH}_3\text{PbI}_3$ Perovskite Revealed by Strong Coherent Shear Phonon Generation. Journal of Physical Chemistry Letters, 2018, 9, 3161-3166.	4.6	16
22	Metal-passivated PbS nanoparticles: fabrication and characterization. Physical Chemistry Chemical Physics, 2017, 19, 7252-7261.	2.8	6
23	Electron-acoustic phonon coupling in single crystal $\text{CH}_3\text{NH}_3\text{PbI}_3$ perovskites revealed by coherent acoustic phonons. Nature Communications, 2017, 8, 14398.	12.8	99
24	Ternary organic solar cells with enhanced open circuit voltage. Nano Energy, 2017, 37, 24-31.	16.0	96
25	High-photovoltage all-polymer solar cells based on a diketopyrrolopyrrole-isoindigo acceptor polymer. Journal of Materials Chemistry A, 2017, 5, 11693-11700.	10.3	54
26	High-Performance and Stable All-Polymer Solar Cells Using Donor and Acceptor Polymers with Complementary Absorption. Advanced Energy Materials, 2017, 7, 1602722.	19.5	90
27	9.0% power conversion efficiency from ternary all-polymer solar cells. Energy and Environmental Science, 2017, 10, 2212-2221.	30.8	200
28	Ternary Organic Solar Cells with Minimum Voltage Losses. Advanced Energy Materials, 2017, 7, 1700390.	19.5	55
29	Defect-induced local variation of crystal phase transition temperature in metal-halide perovskites. Nature Communications, 2017, 8, 34.	12.8	91
30	Carrier Recombination Processes in Gallium Indium Phosphide Nanowires. Nano Letters, 2017, 17, 4248-4254.	9.1	20
31	Nondestructive Complete Mechanical Characterization of Zinc Blende and Wurtzite GaAs Nanowires Using Time-Resolved Pump-Probe Spectroscopy. Nano Letters, 2016, 16, 4792-4798.	9.1	25
32	High Performance All-Polymer Solar Cells by Synergistic Effects of Fine-Tuned Crystallinity and Solvent Annealing. Journal of the American Chemical Society, 2016, 138, 10935-10944.	13.7	401
33	Confinement effects on Brillouin scattering in semiconductor nanowire photonic crystal. Physical Review B, 2016, 94, .	3.2	7
34	GaAsP Nanowires Grown by Aerotaxy. Nano Letters, 2016, 16, 5701-5707.	9.1	36
35	Organic Photovoltaics: Low Band Gap Polymer Solar Cells With Minimal Voltage Losses (Adv. Energy) Tj ETQq1 1 0.784314 rgBT /Overlo	19.5	1
36	Low Band Gap Polymer Solar Cells With Minimal Voltage Losses. Advanced Energy Materials, 2016, 6, 1600148.	19.5	84

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37	Recombination dynamics in aerotaxy-grown Zn-doped GaAs nanowires. Nanotechnology, 2016, 27, 455704.	2.6	16
38	Ultrafast photoisomerization of pinacyanol: watching an excited state reaction transiting from barrier to barrierless forms. RSC Advances, 2016, 6, 45210-45218.	3.6	5
39	Ultrafast excited state dynamics of [Cr(CO) ₄ (bpy)]: revealing the relaxation between triplet charge-transfer states. RSC Advances, 2016, 6, 20507-20515.	3.6	11
40	Ultrafast Dynamics of Hole Injection and Recombination in Organometal Halide Perovskite Using Nickel Oxide as p-Type Contact Electrode. Journal of Physical Chemistry Letters, 2016, 7, 1096-1101.	4.6	97
41	Mechanism of Charge Transfer and Recombination Dynamics in Organo Metal Halide Perovskites and Organic Electrodes, PCBM, and Spiro-OMeTAD: Role of Dark Carriers. Journal of the American Chemical Society, 2015, 137, 16043-16048.	13.7	101
42	Giant Photoluminescence Blinking of Perovskite Nanocrystals Reveals Single-Trap Control of Luminescence. Nano Letters, 2015, 15, 1603-1608.	9.1	185
43	Enhanced Organo-Metal Halide Perovskite Photoluminescence from Nanosized Defect-Free Crystallites and Emitting Sites. Journal of Physical Chemistry Letters, 2015, 6, 4171-4177.	4.6	163
44	Optical Pump - Multi-THz Probe Spectroscopy of a Single Crystal Organic Hybrid Lead Halide Perovskite. , 2015, , .		2
45	Intrinsic femtosecond charge generation dynamics in single crystal CH ₃ NH ₃ PbI ₃ . Energy and Environmental Science, 2015, 8, 3700-3707.	30.8	203
46	Carrier Recombination Dynamics in Sulfur-Doped InP Nanowires. Nano Letters, 2015, 15, 7238-7244.	9.1	26
47	Mechanistic insights into perovskite photoluminescence enhancement: light curing with oxygen can boost yield thousandfold. Physical Chemistry Chemical Physics, 2015, 17, 24978-24987.	2.8	325
48	Photon upconversion in degenerately sulfur doped InP nanowires. Nanoscale, 2015, 7, 20503-20509.	5.6	1
49	Ultrafast charge generation, high and balanced charge carrier mobilities in organo halide perovskite solar cell. , 2014, , .		2
50	Organometal Halide Perovskite Solar Cell Materials Rationalized: Ultrafast Charge Generation, High and Microsecond-Long Balanced Mobilities, and Slow Recombination. Journal of the American Chemical Society, 2014, 136, 5189-5192.	13.7	1,106
51	Charge Carrier Dynamics of Polymer:Fullerene Blends: From Geminate to Non-Geminate Recombination. Advanced Energy Materials, 2014, 4, 1301706.	19.5	17
52	Carrier motion in as-spun and annealed P3HT:PCBM blends revealed by ultrafast optical electric field probing and Monte Carlo simulations. Physical Chemistry Chemical Physics, 2014, 16, 2686.	2.8	25
53	Charge Carrier Generation and Transport in Different Stoichiometry APFO3:PC61BM Solar Cells. Journal of the American Chemical Society, 2014, 136, 11331-11338.	13.7	31
54	Ultrafast Charge Transfer from CdSe Quantum Dots to p-Type NiO: Hole Injection vs Hole Trapping. Journal of Physical Chemistry C, 2014, 118, 18462-18471.	3.1	73

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55	Ultra Long-Lived Radiative Trap States in CdSe Quantum Dots. Journal of Physical Chemistry C, 2014, 118, 21682-21686.	3.1	62
56	Thermally Activated Exciton Dissociation and Recombination Control the Carrier Dynamics in Organometal Halide Perovskite. Journal of Physical Chemistry Letters, 2014, 5, 2189-2194.	4.6	465
57	Large-energy-shift photon upconversion in degenerately doped InP nanowires by direct excitation into the electron gas. Nano Research, 2013, 6, 752-757.	10.4	6
58	Multiexciton Absorption Cross Sections of CdSe Quantum Dots Determined by Ultrafast Spectroscopy. Journal of Physical Chemistry Letters, 2013, 4, 3330-3336.	4.6	19
59	Role of Adsorption Structures of Zn-Porphyrin on TiO ₂ in Dye-Sensitized Solar Cells Studied by Sum Frequency Generation Vibrational Spectroscopy and Ultrafast Spectroscopy. Journal of Physical Chemistry C, 2013, 117, 6066-6080.	3.1	137
60	Control of the size and shape of TiO ₂ nanoparticles in restricted media. Nanotechnology, 2013, 24, 195601.	2.6	27
61	Photoluminescence study of as-grown vertically standing wurtzite InP nanowire ensembles. Nanotechnology, 2013, 24, 115706.	2.6	15
62	Unified Study of Recombination in Polymer:Fullerene Solar Cells Using Transient Absorption and Charge-Extraction Measurements. Journal of Physical Chemistry Letters, 2013, 4, 2069-2072.	4.6	26
63	Reflection measurements to reveal the absorption in nanowire arrays. Optics Letters, 2013, 38, 1449.	3.3	11
64	Ultrafast Terahertz Photoconductivity of Bulk Heterojunction Materials Reveals High Carrier Mobility up to Nanosecond Time Scale. Journal of the American Chemical Society, 2012, 134, 11836-11839.	13.7	64
65	Electron and Hole Contributions to the Terahertz Photoconductivity of a Conjugated Polymer:Fullerene Blend Identified. Journal of Physical Chemistry Letters, 2012, 3, 2442-2446.	4.6	32
66	Insights into the Charge Carrier Terahertz Mobility in Polyfluorenes from Large-Scale Atomistic Simulations and Time-Resolved Terahertz Spectroscopy. Journal of Physical Chemistry C, 2012, 116, 19665-19672.	3.1	26
67	Ultrafast Transient Optical Studies of Charge Pair Generation and Recombination in Poly-3-Hexylthiophene(P3ht):[6,6]Phenyl C61 Butyric Methyl Acid Ester (PCBM) Blend Films. Journal of Physical Chemistry B, 2011, 115, 15174-15180.	2.6	29
68	Photoinduced Charge Carrier Dynamics of Zn~Porphyrin~TiO ₂ Electrodes: The Key Role of Charge Recombination for Solar Cell Performance. Journal of Physical Chemistry A, 2011, 115, 3679-3690.	2.5	210
69	Wavelength-dependent photoproduct formation of phycocyanobilin in solution – Indications for competing reaction pathways. Chemical Physics Letters, 2011, 515, 163-169.	2.6	3
70	Tuning of Photocatalytic Hydrogen Production and Photoinduced Intramolecular Electron Transfer Rates by Regioselective Bridging Ligand Substitution. ChemPhysChem, 2011, 12, 2101-2109.	2.1	93
71	Dynamics of charge separation in the excited-state chemistry of protochlorophyllide. Chemical Physics Letters, 2010, 492, 157-163.	2.6	18
72	Optimal control of peridinin excited-state dynamics. Chemical Physics, 2010, 373, 129-136.	1.9	13

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73	Electronic photon echo spectroscopy and vibrations. <i>Vibrational Spectroscopy</i> , 2010, 53, 2-5.	2.2	9
74	Weakly chirped pulses in frequency resolved coherent spectroscopy. <i>Journal of Chemical Physics</i> , 2010, 132, 174508.	3.0	16
75	Geminate Charge Recombination in Polymer/Fullerene Bulk Heterojunction Films and Implications for Solar Cell Function. <i>Journal of the American Chemical Society</i> , 2010, 132, 12440-12451.	13.7	130
76	Influence of the Electron-Cation Interaction on Electron Mobility in Dye-Sensitized ZnO and TiO_2 Nanocrystals: A Study Using Ultrafast Terahertz Spectroscopy. <i>Physical Review Letters</i> , 2010, 104, 197401.	7.8	116
77	Helterlike Perylene Polyisocyanopeptides. <i>Chemistry - A European Journal</i> , 2009, 15, 2536-2547.	3.3	64
78	Photophysics of an Intramolecular Hydrogen-Bonding Ru-Pd Photocatalyst. <i>Chemistry - A European Journal</i> , 2009, 15, 7678-7688.	3.3	132
79	Protochlorophyllide a: A Comprehensive Photophysical Picture. <i>ChemPhysChem</i> , 2009, 10, 144-150.	2.1	51
80	Visualizing overdamped wavepacket motion: Excited-state isomerization of pseudocyanine in viscous solvents. <i>Chemical Physics</i> , 2009, 357, 54-62.	1.9	23
81	Solute specific polar solvation studied by photon echo spectroscopy. <i>Chemical Physics</i> , 2009, 357, 85-95.	1.9	8
82	Photocurrent Spectra and Fast Kinetic Studies of P3HT/PCBM Mixed with a Dye for Photoconversion in the Near-IR Region. <i>Journal of Physical Chemistry C</i> , 2009, 113, 3014-3020.	3.1	37
83	Femtosecond Carotenoid to Retinal Energy Transfer in Xanthorhodopsin. <i>Biophysical Journal</i> , 2009, 96, 2268-2277.	0.5	58
84	Flash Photolysis of Cutinase: Identification and Decay Kinetics of Transient Intermediates Formed upon UV Excitation of Aromatic Residues. <i>Biophysical Journal</i> , 2009, 97, 211-226.	0.5	55
85	On the excited-state multi-dimensionality in cyanines. <i>Chemical Physics Letters</i> , 2008, 455, 13-19.	2.6	12
86	Three-pulse photon echo peak shift in optically dense samples. <i>Chemical Physics Letters</i> , 2008, 457, 106-109.	2.6	16
87	Photoinduced interfacial electron injection in $\text{RuN}_3/\text{TiO}_2$ thin films: Resolving picosecond timescale injection from the triplet state of the protonated and deprotonated dyes. <i>Chemical Physics Letters</i> , 2008, 462, 205-208.	2.6	24
88	Exciton dynamics in alternating polyfluorene/fullerene blends. <i>Chemical Physics</i> , 2008, 350, 14-22.	1.9	28
89	Charge Carrier Dynamics in Alternating Polyfluorene Copolymer:Fullerene Blends Probed by Terahertz Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2008, 112, 6558-6563.	3.1	34
90	A study of electron transfer in $\text{Ru}(\text{dcbpy})_2(\text{NCS})_2$ sensitized nanocrystalline TiO_2 and SnO_2 films induced by red-wing excitation. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 996-1002.	2.8	31

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91	Exciton diffusion and relaxation in methyl-substituted polyparaphenylene polymer films. Journal of Chemical Physics, 2007, 127, 144907. Ultrafast dynamics of singlet-singlet and singlet-triplet exciton annihilation in poly(3-(methyl)thiophene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7	3.0	34
92		3.2	57
93	films. Physical Review B, 2007, 75, . Experimental Observation of Different-Order Components of a Vibrational Wave Packet in a Bulk Dielectric Using High-Order Raman Scattering. Physical Review Letters, 2007, 98, 187402.	7.8	3
94	Geminate Charge Recombination in Alternating Polyfluorene Copolymer/Fullerene Blends. Journal of the American Chemical Society, 2007, 129, 8466-8472.	13.7	146
95	Excited State and Charge Photogeneration Dynamics in Conjugated Polymers. Journal of Physical Chemistry B, 2007, 111, 6303-6321.	2.6	229
96	Appearance of intramolecular high-frequency vibrations in two-dimensional, time-integrated three-pulse photon echo data. Physical Chemistry Chemical Physics, 2007, 9, 701-710.	2.8	22
97	Pump-Shaped Dump Optimal Control Reveals the Nuclear Reaction Pathway of Isomerization of a Photoexcited Cyanine Dye. Journal of the American Chemical Society, 2007, 129, 13014-13021.	13.7	33
98	Ultrafast Excited-State Isomerization Dynamics of 1,1'-Diethyl-2,2'-Cyanine Studied by Four-Wave Mixing Spectroscopy. Journal of Physical Chemistry B, 2007, 111, 5396-5404.	2.6	23
99	Tracking Ultrafast Excited-State Bond-Twisting Motion in Solution Close to the Franck-Condon Point. Journal of Physical Chemistry B, 2007, 111, 6034-6041.	2.6	20
100	Watching Ultrafast Barrierless Excited-State Isomerization of Pseudocyanine in Real Time. Journal of Physical Chemistry B, 2007, 111, 4520-4526.	2.6	40
101	Dynamics of Excited States and Charge Photogeneration in Organic Semiconductor Materials. Springer Series on Fluorescence, 2007, , 285-297.	0.8	3
102	Anomalous Energy Transfer Dynamics due to Torsional Relaxation in a Conjugated Polymer. Physical Review Letters, 2006, 97, 166804.	7.8	135
103	Control of Electron Transfer Pathways in a Dye-Sensitized Solar Cell. Physical Review Letters, 2006, 97, 208301.	7.8	34
104	Charge formation and transport in bulk-heterojunction solar cells based on alternating polyfluorene copolymers blended with fullerenes. Organic Electronics, 2006, 7, 235-242.	2.6	59
105	The Excited-State Chemistry of Protochlorophyllide a: A Time-Resolved Fluorescence Study. ChemPhysChem, 2006, 7, 1727-1733.	2.1	27
106	Influence of Solvent Mixing on the Morphology and Performance of Solar Cells Based on Polyfluorene Copolymer/Fullerene Blends. Advanced Functional Materials, 2006, 16, 667-674.	14.9	439
107	Conformational disorder of conjugated polymers. Journal of Chemical Physics, 2006, 125, 154903.	3.0	61
108	Mechanisms of Molecular Response in the Optimal Control of Photoisomerization. Physical Review Letters, 2006, 97, 258301.	7.8	64

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109	Excited state dynamics in alternating polyfluorene copolymers. <i>Synthetic Metals</i> , 2005, 155, 262-265.	3.9	7
110	Exciton migration in a polythiophene: Probing the spatial and energy domain by line-dipole Förster-type energy transfer. <i>Journal of Chemical Physics</i> , 2005, 122, 094903.	3.0	102
111	The electronic states of polyfluorene copolymers with alternating donor-acceptor units. <i>Journal of Chemical Physics</i> , 2004, 121, 12613.	3.0	262
112	Ultrafast light-induced charge pair formation dynamics in poly[3-(2-methoxy-5-octylphenyl)thiophene]. <i>Physical Review B</i> , 2004, 70, .	3.2	32
113	Ultrafast singlet energy transfer competes with intersystem crossing in a multi-center transition metal polypyridine complex. <i>Chemical Physics Letters</i> , 2004, 386, 336-341.	2.6	50
114	New paradigm of transition metal polypyridine complex photochemistry. <i>Faraday Discussions</i> , 2004, 127, 295-305.	3.2	33
115	Photoinduced Ultrafast Dynamics of Ru(dcbpy) ₂ (NCS) ₂ -Sensitized Nanocrystalline TiO ₂ Films: The Influence of Sample Preparation and Experimental Conditions. <i>Journal of Physical Chemistry B</i> , 2004, 108, 6365-6373.	2.6	93
116	Interligand Electron Transfer Determines Triplet Excited State Electron Injection in Ru(N3) ⁺ -Sensitized TiO ₂ Films. <i>Journal of Physical Chemistry B</i> , 2004, 108, 2862-2867.	2.6	130
117	Dynamics of charge pair generation in ladder-type poly(para-phenylene) at different excitation photon energies. <i>Physical Review B</i> , 2004, 70, .	3.2	34
118	Dynamics of Excited States of the Carotenoid Peridinin in Polar Solvents: Dependence on Excitation Wavelength, Viscosity, and Temperature. <i>Journal of Physical Chemistry B</i> , 2003, 107, 5339-5348.	2.6	138
119	Ultrafast excitation transfer and trapping in a thin polymer film. <i>Physical Review B</i> , 2003, 67, .	3.2	98
120	Particle Size and Crystallinity Dependent Electron Injection in Fluorescein 27-Sensitized TiO ₂ Films. <i>Journal of Physical Chemistry B</i> , 2003, 107, 1370-1375.	2.6	101
121	Photoinduced Electron Injection from Ru(dcbpy) ₂ (NCS) ₂ to SnO ₂ and TiO ₂ Nanocrystalline Films. <i>Journal of the American Chemical Society</i> , 2003, 125, 1118-1119.	13.7	118
122	Femtosecond pump-probe investigation of primary photoinduced processes in C ₆₀ -Sn nanostructures. <i>Synthetic Metals</i> , 2003, 139, 799-802.	3.9	5
123	Dynamics of the Electric Field-Assisted Charge Carrier Photogeneration in Ladder-Type Poly(Para-Phenylene) at a Low Excitation Intensity. <i>Physical Review Letters</i> , 2002, 89, 107401.	7.8	78
124	<title>Femtosecond pump-probe investigation of primary stages of charge carriers generation in C ₆₀ films</title>. , 2002, 4752, 103.		1
125	Electron Transfer from the Singlet and Triplet Excited States of Ru(dcbpy) ₂ (NCS) ₂ into Nanocrystalline TiO ₂ Thin Films. <i>Journal of Physical Chemistry B</i> , 2002, 106, 4396-4404.	2.6	219
126	Photoinduced Ultrafast Dye-to-Semiconductor Electron Injection from Nonthermalized and Thermalized Donor States. <i>Journal of the American Chemical Society</i> , 2002, 124, 489-493.	13.7	546

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127	Luminescence from inter-chain aggregates in polythiophene films. Synthetic Metals, 2001, 119, 603-604.	3.9	14
128	Electron Injection and Recombination in Fluorescein 27-Sensitized TiO ₂ Thin Films. Journal of Physical Chemistry B, 2001, 105, 967-974.	2.6	85
129	Spectroscopic and Dynamic Properties of the Peridinin Lowest Singlet Excited States. Journal of Physical Chemistry A, 2001, 105, 10296-10306.	2.5	158
130	Femtosecond pump-probe investigation of primary stages of charge carrier generation in pure and Sn- and Ti- doped C ₆₀ films. , 2001, , .		2
131	Luminescence quenching by inter-chain aggregates in substituted polythiophenes. Journal of Photochemistry and Photobiology A: Chemistry, 2001, 144, 3-12.	3.9	36
132	Generation of charge carriers in C ₆₀ films by 100-fs laser pulses with photon energies above and below the mobility edge. Quantum Electronics, 2001, 31, 395-397.	1.0	4
133	Self-Assembly of Pentameric Porphyrin Light-Harvesting Antennae Complexes. Angewandte Chemie - International Edition, 2000, 39, 3616-3619.	13.8	127
134	Photoluminescence quenching at apolythiophene/C ₆₀ heterojunction. Physical Review B, 2000, 61, 12957-12963.	3.2	225
135	Observation of Frequency-Dependent Friction During Barrierless Photo-Isomerization of 1,1'-Diethyl-2,2'-Cyanine Iodide in n-Alcohol Solutions. , 2000, , .		0
136	Photodissociation dynamics of diiodomethane in solution. Chemical Physics Letters, 1999, 312, 121-130.	2.6	91
137	Resolving the Turnover of Temperature Dependence of the Reaction Rate in Barrierless Isomerization. Journal of Physical Chemistry B, 1998, 102, 7651-7658.	2.6	19
138	Femtosecond optical spectroscopy of fullerites. , 1996, 2797, 94.		0
139	Overdamped wavepacket motion along a barrierless potential energy surface in excited state isomerization. Chemical Physics Letters, 1995, 243, 281-289.	2.6	58
140	Temperature dependence of ultrafast intermolecular electron transfer faster than solvation process. Journal of Chemical Physics, 1994, 101, 5717-5726.	3.0	93
141	Femtosecond intermolecular electron transfer in condensed systems. Journal of Photochemistry and Photobiology A: Chemistry, 1994, 80, 169-175.	3.9	39
142	Two-photon absorption of powerful femtosecond pulses in C ₆₀ film. Chemical Physics Letters, 1994, 218, 475-478.	2.6	24
143	Solvent and nuclear dynamics in ultrafast intermolecular electron transfer in a diffusionless, weakly polar system. Chemical Physics Letters, 1993, 207, 546-550.	2.6	39
144	Substituent effects on intermolecular electron transfer: coumarins in electron-donating solvents. Journal of the American Chemical Society, 1993, 115, 7922-7923.	13.7	72

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145	Femtosecond intermolecular electron transfer between dyes and electron-donating solvents. Pure and Applied Chemistry, 1993, 65, 1671-1675.	1.9	26
146	Comparison of the effects of visible femtosecond laser pulses and continuous wave laser radiation of low average intensity on the clonogenicity of Escherichia coli. Journal of Photochemistry and Photobiology B: Biology, 1991, 10, 339-344.	3.8	24
147	Laser femtosecond MPI mass spectroscopy of dye-labeled nucleotides. IEEE Journal of Quantum Electronics, 1990, 26, 2158-2161.	1.9	3
148	Study of fast photoprocesses in biomolecules with the aid of a femtosecond laser spectrometer. Revue De Physique Appliqu�e, 1987, 22, 1761-1771.	0.4	7
149	Peculiarities of the B to A Transition of the � Phage Regulatory Site OR3 and of Its Fragment. Journal of Biomolecular Structure and Dynamics, 1985, 3, 521-527.	3.5	3