Arkady P Yartsev

List of Publications by Year
in descending order

149 papers	11,461 citations	28190 55 h-index	28224 105 g-index
151 all docs	151 docs citations	151 times ranked	12367 citing authors

#	Article	IF	Citations
1	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.	6.6	1,106
2	Photoinduced Ultrafast Dye-to-Semiconductor Electron Injection from Nonthermalized and Thermalized Donor States. Journal of the American Chemical Society, 2002, 124, 489-493.	6.6	546
3	Thermally Activated Exciton Dissociation and Recombination Control the Carrier Dynamics in Organometal Halide Perovskite. Journal of Physical Chemistry Letters, 2014, 5, 2189-2194.	2.1	465
4	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.	7.8	439
5	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.	6.6	401
6	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.	6.6	379
7	Mechanistic insights into perovskite photoluminescence enhancement: light curing with oxygen can boost yield thousandfold. Physical Chemistry Chemical Physics, 2015, 17, 24978-24987.	1.3	325
8	The electronic states of polyfluorene copolymers with alternating donor-acceptor units. Journal of Chemical Physics, 2004, 121, 12613.	1.2	262
9	Luminescence and reactivity of a charge-transfer excited iron complex with nanosecond lifetime. Science, 2019, 363, 249-253.	6.0	249
10	Excited State and Charge Photogeneration Dynamics in Conjugated Polymers. Journal of Physical Chemistry B, 2007, 111, 6303-6321.	1.2	229
11	Photoluminescence quenching at apolythiophene/C60heterojunction. Physical Review B, 2000, 61, 12957-12963.	1.1	225
12	Electron Transfer from the Singlet and Triplet Excited States of Ru(dcbpy)2(NCS)2into Nanocrystalline TiO2Thin Films. Journal of Physical Chemistry B, 2002, 106, 4396-4404.	1.2	219
13	Photoinduced Charge Carrier Dynamics of Znâ˜Porphyrinâ˜TiO₂ Electrodes: The Key Role of Charge Recombination for Solar Cell Performance. Journal of Physical Chemistry A, 2011, 115, 3679-3690.	1.1	210
14	Intrinsic femtosecond charge generation dynamics in single crystal CH₃NH₃PbI₃. Energy and Environmental Science, 2015, 8, 3700-3707.	15.6	203
15	9.0% power conversion efficiency from ternary all-polymer solar cells. Energy and Environmental Science, 2017, 10, 2212-2221.	15.6	200
16	Giant Photoluminescence Blinking of Perovskite Nanocrystals Reveals Single-Trap Control of Luminescence. Nano Letters, 2015, 15, 1603-1608.	4.5	185
17	Enhanced Organo-Metal Halide Perovskite Photoluminescence from Nanosized Defect-Free Crystallites and Emitting Sites. Journal of Physical Chemistry Letters, 2015, 6, 4171-4177.	2.1	163
18	Spectroscopic and Dynamic Properties of the Peridinin Lowest Singlet Excited Statesâ€. Journal of Physical Chemistry A, 2001, 105, 10296-10306.	1.1	158

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19	Geminate Charge Recombination in Alternating Polyfluorene Copolymer/Fullerene Blends. Journal of the American Chemical Society, 2007, 129, 8466-8472.	6.6	146
20	Dynamics of Excited States of the Carotenoid Peridinin in Polar Solvents:Â Dependence on Excitation Wavelength, Viscosity, and Temperature. Journal of Physical Chemistry B, 2003, 107, 5339-5348.	1.2	138
21	Role of Adsorption Structures of Zn-Porphyrin on TiO₂ in Dye-Sensitized Solar Cells Studied by Sum Frequency Generation Vibrational Spectroscopy and Ultrafast Spectroscopy. Journal of Physical Chemistry C, 2013, 117, 6066-6080.	1.5	137
22	Anomalous Energy Transfer Dynamics due to Torsional Relaxation in a Conjugated Polymer. Physical Review Letters, 2006, 97, 166804.	2.9	135
23	Photophysics of an Intramolecular Hydrogenâ€Evolving Ruâ€“Pd Photocatalyst. Chemistry - A European Journal, 2009, 15, 7678-7688.	1.7	132
24	Interligand Electron Transfer Determines Triplet Excited State Electron Injection in RuN3âˆ'Sensitized TiO2Films. Journal of Physical Chemistry B, 2004, 108, 2862-2867.	1.2	130
25	Geminate Charge Recombination in Polymer/Fullerene Bulk Heterojunction Films and Implications for Solar Cell Function. Journal of the American Chemical Society, 2010, 132, 12440-12451.	6.6	130
26	Self-Assembly of Pentameric Porphyrin Light-Harvesting Antennae Complexes. Angewandte Chemie - International Edition, 2000, 39, 3616-3619.	7.2	127
27	Photoinduced Electron Injection from Ru(dcbpy)2(NCS)2to SnO2and TiO2Nanocrystalline Films. Journal of the American Chemical Society, 2003, 125, 1118-1119.	6.6	118
28	Influence of the Electron-Cation Interaction on Electron Mobility in Dye-Sensitized ZnO and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>TiO</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>Nanocrystals: A Study Using Ultrafast Terahertz Spectroscopy. Physical Review Letters, 2010, 104, 197401.	2.9	116
29	Exciton migration in a polythiophene: Probing the spatial and energy domain by line-dipole FÃ¶rster-type energy transfer. Journal of Chemical Physics, 2005, 122, 094903.	1.2	102
30	Particle Size and Crystallinity Dependent Electron Injection in Fluorescein 27-Sensitized TiO2Films. Journal of Physical Chemistry B, 2003, 107, 1370-1375.	1.2	101
31	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.	6.6	101
32	Electronâ€“acoustic phonon coupling in single crystal CH3NH3PbI3 perovskites revealed by coherent acoustic phonons. Nature Communications, 2017, 8, 14398.	5.8	99
33	Ultrafast excitation transfer and trapping in a thin polymer film. Physical Review B, 2003, 67, .	1.1	98
34	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.	2.1	97
35	Ternary organic solar cells with enhanced open circuit voltage. Nano Energy, 2017, 37, 24-31.	8.2	96
36	Temperature dependence of ultrafast intermolecular electron transfer faster than solvation process. Journal of Chemical Physics, 1994, 101, 5717-5726.	1.2	93

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37	Photoinduced Ultrafast Dynamics of Ru(dcbpy)2(NCS)2-Sensitized Nanocrystalline TiO2Films:Â The Influence of Sample Preparation and Experimental Conditions. Journal of Physical Chemistry B, 2004, 108, 6365-6373.	1.2	93
38	Tuning of Photocatalytic Hydrogen Production and Photoinduced Intramolecular Electron Transfer Rates by Regioselective Bridging Ligand Substitution. ChemPhysChem, 2011, 12, 2101-2109.	1.0	93
39	Photodissociation dynamics of diiodomethane in solution. Chemical Physics Letters, 1999, 312, 121-130.	1.2	91
40	Defect-induced local variation of crystal phase transition temperature in metal-halide perovskites. Nature Communications, 2017, 8, 34.	5.8	91
41	Highâ€Performance and Stable Allâ€Polymer Solar Cells Using Donor and Acceptor Polymers with Complementary Absorption. Advanced Energy Materials, 2017, 7, 1602722.	10.2	90
42	Electron Injection and Recombination in Fluorescein 27-Sensitized TiO2 Thin Films. Journal of Physical Chemistry B, 2001, 105, 967-974.	1.2	85
43	Low Band Gap Polymer Solar Cells With Minimal Voltage Losses. Advanced Energy Materials, 2016, 6, 1600148.	10.2	84
44	8.0% Efficient Allâ€Polymer Solar Cells with High Photovoltage of 1.1 V and Internal Quantum Efficiency near Unity. Advanced Energy Materials, 2018, 8, 1700908.	10.2	81
45	Dynamics of the Electric Field-Assisted Charge Carrier Photogeneration in Ladder-Type Poly(Para-Phenylene) at a Low Excitation Intensity. Physical Review Letters, 2002, 89, 107401.	2.9	78
46	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.	1.5	73
47	Substituent effects on intermolecular electron transfer: coumarins in electron-donating solvents. Journal of the American Chemical Society, 1993, 115, 7922-7923.	6.6	72
48	Mechanisms of Molecular Response in the Optimal Control of Photoisomerization. Physical Review Letters, 2006, 97, 258301.	2.9	64
49	â€œHelterâ€Skelterâ€Likeâ€•Perylene Polyisocyanopeptides. Chemistry - A European Journal, 2009, 15, 2536-2547	1.7	64
50	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.	6.6	64
51	Ultra Long-Lived Radiative Trap States in CdSe Quantum Dots. Journal of Physical Chemistry C, 2014, 118, 21682-21686.	1.5	62
52	Conformational disorder of conjugated polymers. Journal of Chemical Physics, 2006, 125, 154903.	1.2	61
53	Charge formation and transport in bulk-heterojunction solar cells based on alternating polyfluorene copolymers blended with fullerenes. Organic Electronics, 2006, 7, 235-242.	1.4	59
54	Overdamped wavepacket motion along a barrierless potential energy surface in excited state isomerization. Chemical Physics Letters, 1995, 243, 281-289.	1.2	58

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55	Femtosecond Carotenoid to Retinal Energy Transfer in Xanthorhodopsin. Biophysical Journal, 2009, 96, 2268-2277.	0.2	58
	Ultrafast dynamics of singlet-singlet and singlet-triplet exciton annihilation in poly(3-<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7		
56		1.1	57
	films. Physical Review B, 2007, 75, .		
57	Flash Photolysis of Cutinase: Identification and Decay Kinetics of Transient Intermediates Formed upon UV Excitation of Aromatic Residues. Biophysical Journal, 2009, 97, 211-226.	0.2	55
58	Ternary Organic Solar Cells with Minimum Voltage Losses. Advanced Energy Materials, 2017, 7, 1700390.	10.2	55
59	High-photovoltage all-polymer solar cells based on a diketopyrrolopyrroleâ€“isoindigo acceptor polymer. Journal of Materials Chemistry A, 2017, 5, 11693-11700.	5.2	54
60	Photophysics and Photochemistry of Iron Carbene Complexes for Solar Energy Conversion and Photocatalysis. Catalysts, 2020, 10, 315.	1.6	52
61	Protochlorophyllide a: A Comprehensive Photophysical Picture. ChemPhysChem, 2009, 10, 144-150.	1.0	51
62	Ultrafast singlet energy transfer competes with intersystem crossing in a multi-center transition metal polypyridine complex. Chemical Physics Letters, 2004, 386, 336-341.	1.2	50
63	Microsecond Photoluminescence and Photoreactivity of a Metal-Centered Excited State in a Hexacarbeneâ€“Co(III) Complex. Journal of the American Chemical Society, 2021, 143, 1307-1312.	6.6	50
64	Photofunctionality of iron(III) N-heterocyclic carbenes and related d transition metal complexes. Coordination Chemistry Reviews, 2021, 426, 213517.	9.5	44
65	Watching Ultrafast Barrierless Excited-State Isomerization of Pseudocyanine in Real Time. Journal of Physical Chemistry B, 2007, 111, 4520-4526.	1.2	40
66	Solvent and nuclear dynamics in ultrafast intermolecular electron transfer in a diffusionless, weakly polar system. Chemical Physics Letters, 1993, 207, 546-550.	1.2	39
67	Femtosecond intermolecular electron transfer in condensed systems. Journal of Photochemistry and Photobiology A: Chemistry, 1994, 80, 169-175.	2.0	39
68	Photocurrent Spectra and Fast Kinetic Studies of P3HT/PCBM Mixed with a Dye for Photoconversion in the Near-IR Region. Journal of Physical Chemistry C, 2009, 113, 3014-3020.	1.5	37
69	Luminescence quenching by inter-chain aggregates in substituted polythiophenes. Journal of Photochemistry and Photobiology A: Chemistry, 2001, 144, 3-12.	2.0	36
70	GaAsP Nanowires Grown by Aerotaxy. Nano Letters, 2016, 16, 5701-5707.	4.5	36
71	Dynamics of charge pair generation in ladder-type poly(para-phenylene) at different excitation photon energies. Physical Review B, 2004, 70, .	1.1	34
72	Control of Electron Transfer Pathways in a Dye-Sensitized Solar Cell. Physical Review Letters, 2006, 97, 208301.	2.9	34

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73	Exciton diffusion and relaxation in methyl-substituted polyparaphenylene polymer films. Journal of Chemical Physics, 2007, 127, 144907.	1.2	34
74	Charge Carrier Dynamics in Alternating Polyfluorene Copolymer:Fullerene Blends Probed by Terahertz Spectroscopy. Journal of Physical Chemistry C, 2008, 112, 6558-6563.	1.5	34
75	Tracing the Full Bimolecular Photocycle of Iron(III)â€“Carbene Light Harvesters in Electron-Donating Solvents. Journal of the American Chemical Society, 2020, 142, 8565-8569.	6.6	34
76	New paradigm of transition metal polypyridine complex photochemistry. Faraday Discussions, 2004, 127, 295-305.	1.6	33
77	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.	6.6	33
78	Ultrafast light-induced charge pair formation dynamics in poly[3-(2â€²-methoxy-5â€²octylphenyl)thiophene]. Physical Review B, 2004, 70, .	1.1	32
79	Electron and Hole Contributions to the Terahertz Photoconductivity of a Conjugated Polymer:Fullerene Blend Identified. Journal of Physical Chemistry Letters, 2012, 3, 2442-2446.	2.1	32
80	A study of electron transfer in Ru(dcbpy)₂(NCS)₂sensitized nanocrystalline TiO₂and SnO₂films induced by red-wing excitation. Physical Chemistry Chemical Physics, 2008, 10, 996-1002.	1.3	31
81	Charge Carrier Generation and Transport in Different Stoichiometry APFO3:PC61BM Solar Cells. Journal of the American Chemical Society, 2014, 136, 11331-11338.	6.6	31
82	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.	1.2	29
83	Dimension Engineering of High-Quality InAs Nanostructures on a Wafer Scale. Nano Letters, 2019, 19, 1632-1642.	4.5	29
84	Exciton dynamics in alternating polyfluorene/fullerene blends. Chemical Physics, 2008, 350, 14-22.	0.9	28
85	Vibronic coherence contributes to photocurrent generation in organic semiconductor heterojunction diodes. Nature Communications, 2020, 11, 617.	5.8	28
86	The Excited-State Chemistry of Protochlorophyllide a: A Time-Resolved Fluorescence Study. ChemPhysChem, 2006, 7, 1727-1733.	1.0	27
87	Control of the size and shape of TiO₂ nanoparticles in restricted media. Nanotechnology, 2013, 24, 195601.	1.3	27
88	Femtosecond intermolecular electron transfer between dyes and electron-donating solvents. Pure and Applied Chemistry, 1993, 65, 1671-1675.	0.9	26
89	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.	1.5	26
90	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.	2.1	26

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91	Carrier Recombination Dynamics in Sulfur-Doped InP Nanowires. Nano Letters, 2015, 15, 7238-7244.	4.5	26
92	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.	1.3	25
93	Nondestructive Complete Mechanical Characterization of Zinc Blende and Wurtzite GaAs Nanowires Using Time-Resolved Pumpâ€“Probe Spectroscopy. Nano Letters, 2016, 16, 4792-4798.	4.5	25
94	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.	1.7	24
95	Two-photon absorption of powerful femtosecond pulses in C60 film. Chemical Physics Letters, 1994, 218, 475-478.	1.2	24
96	Photoinduced interfacial electron injection in RuN3â€“TiO2 thin films: Resolving picosecond timescale injection from the triplet state of the protonated and deprotonated dyes. Chemical Physics Letters, 2008, 462, 205-208.	1.2	24
97	Ultrafast Excited-State Isomerization Dynamics of 1,1â€˜-Diethyl-2,2â€˜-Cyanine Studied by Four-Wave Mixing Spectroscopy. Journal of Physical Chemistry B, 2007, 111, 5396-5404.	1.2	23
98	Visualizing overdamped wavepacket motion: Excited-state isomerization of pseudocyanine in viscous solvents. Chemical Physics, 2009, 357, 54-62.	0.9	23
99	Appearance of intramolecular high-frequency vibrations in two-dimensional, time-integrated three-pulse photon echo data. Physical Chemistry Chemical Physics, 2007, 9, 701-710.	1.3	22
100	Carrier Recombination Processes in GaAs Wafers Passivated by Wet Nitridation. ACS Applied Materials & Interfaces, 2020, 12, 28360-28367.	4.0	21
101	Tracking Ultrafast Excited-State Bond-Twisting Motion in Solution Close to the Franckâ€“Condon Point. Journal of Physical Chemistry B, 2007, 111, 6034-6041.	1.2	20
102	Carrier Recombination Processes in Gallium Indium Phosphide Nanowires. Nano Letters, 2017, 17, 4248-4254.	4.5	20
103	Effect of Post-Thermal Annealing on the Performance and Charge Photogeneration Dynamics of PffBT4T-2OD/PC71BM Solar Cells. Polymers, 2019, 11, 408.	2.0	20
104	Resolving the Turnover of Temperature Dependence of the Reaction Rate in Barrierless Isomerization. Journal of Physical Chemistry B, 1998, 102, 7651-7658.	1.2	19
105	Multiexciton Absorption Cross Sections of CdSe Quantum Dots Determined by Ultrafast Spectroscopy. Journal of Physical Chemistry Letters, 2013, 4, 3330-3336.	2.1	19
106	Dynamics of charge separation in the excited-state chemistry of protochlorophyllide. Chemical Physics Letters, 2010, 492, 157-163.	1.2	18
107	Charge Carrier Dynamics of Polymer:Fullerene Blends: From Geminate to Nonâ€Geminate Recombination. Advanced Energy Materials, 2014, 4, 1301706.	10.2	17
108	Dye-sensitized solar cells based on Fe N-heterocyclic carbene photosensitizers with improved rod-like push-pull functionality. Chemical Science, 2021, 12, 16035-16053.	3.7	17

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109	Three-pulse photon echo peak shift in optically dense samples. Chemical Physics Letters, 2008, 457, 106-109.	1.2	16
110	Weakly chirped pulses in frequency resolved coherent spectroscopy. Journal of Chemical Physics, 2010, 132, 174508.	1.2	16
111	Recombination dynamics in aerotaxy-grown Zn-doped GaAs nanowires. Nanotechnology, 2016, 27, 455704.	1.3	16
112	Directional Negative Thermal Expansion and Large Poisson Ratio in CH₃NH₃PbI₃ Perovskite Revealed by Strong Coherent Shear Phonon Generation. Journal of Physical Chemistry Letters, 2018, 9, 3161-3166.	2.1	16
113	Photoluminescence study of as-grown vertically standing wurtzite InP nanowire ensembles. Nanotechnology, 2013, 24, 115706.	1.3	15
114	Luminescence from inter-chain aggregates in polythiophene films. Synthetic Metals, 2001, 119, 603-604.	2.1	14
115	Optimal control of peridinin excited-state dynamics. Chemical Physics, 2010, 373, 129-136.	0.9	13
116	Effect of hydrogen chloride etching on carrier recombination processes of indium phosphide nanowires. Nanoscale, 2019, 11, 18550-18558.	2.8	13
117	On the excited-state multi-dimensionality in cyanines. Chemical Physics Letters, 2008, 455, 13-19.	1.2	12
118	Band-selective dynamics in charge-transfer excited iron carbene complexes. Faraday Discussions, 2019, 216, 191-210.	1.6	12
119	Reflection measurements to reveal the absorption in nanowire arrays. Optics Letters, 2013, 38, 1449.	1.7	11
120	Ultrafast excited state dynamics of [Cr(CO)₄(bpy)]: revealing the relaxation between triplet charge-transfer states. RSC Advances, 2016, 6, 20507-20515.	1.7	11
121	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.	5.2	11
122	Electronic photon echo spectroscopy and vibrations. Vibrational Spectroscopy, 2010, 53, 2-5.	1.2	9
123	Solute specific polar solvation studied by photon echo spectroscopy. Chemical Physics, 2009, 357, 85-95.	0.9	8
124	Excited state dynamics in alternating polyfluorene copolymers. Synthetic Metals, 2005, 155, 262-265.	2.1	7
125	Confinement effects on Brillouin scattering in semiconductor nanowire photonic crystal. Physical Review B, 2016, 94, .	1.1	7
126	Study of fast photoprocesses in biomolecules with the aid of a femtosecond laser spectrometer. Revue De Physique AppliquÃ©e, 1987, 22, 1761-1771.	0.4	7

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127	Large-energy-shift photon upconversion in degenerately doped InP nanowires by direct excitation into the electron gas. Nano Research, 2013, 6, 752-757.	5.8	6
128	Metal-passivated PbS nanoparticles: fabrication and characterization. Physical Chemistry Chemical Physics, 2017, 19, 7252-7261.	1.3	6
129	Femtosecond pumpâ€“probe investigation of primary photoinduced processes in C60â€“Sn nanostructures. Synthetic Metals, 2003, 139, 799-802.	2.1	5
130	Ultrafast photoisomerization of pinacyanol: watching an excited state reaction transiting from barrier to barrierless forms. RSC Advances, 2016, 6, 45210-45218.	1.7	5
131	Imaging the influence of oxides on the electrostatic potential of photovoltaic InP nanowires. Nano Research, 2021, 14, 4087-4092.	5.8	5
132	Generation of charge carriers in C60 films by 100-fs laser pulses with photon energies above and below the mobility edge. Quantum Electronics, 2001, 31, 395-397.	0.3	4
133	Peculiarities of the B to A Transition of the Î» Phage Regulatory Site OR3 and of Its Fragment. Journal of Biomolecular Structure and Dynamics, 1985, 3, 521-527.	2.0	3
134	Laser femtosecond MPI mass spectroscopy of dye-labeled nucleotides. IEEE Journal of Quantum Electronics, 1990, 26, 2158-2161.	1.0	3
135	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.	2.9	3
136	Dynamics of Excited States and Charge Photogeneration in Organic Semiconductor Materials. Springer Series on Fluorescence, 2007, , 285-297.	0.8	3
137	Wavelength-dependent photoproduct formation of phycocyanobilin in solution â€“ Indications for competing reaction pathways. Chemical Physics Letters, 2011, 515, 163-169.	1.2	3
138	Comparison of Triethylgallium and Trimethylgallium Precursors for GaInP Nanowire Growth. Physica Status Solidi (B): Basic Research, 2021, 258, 2000400.	0.7	3
139	In situ passivation of Ga_xIn_(1â^'x)P nanowires using radial Al_yIn_(1â^'y)P shells grown by MOVPE. Nanotechnology, 2021, 32, 425705.	1.3	3
140	<title>Femtosecond pump-probe investigation of primary stages of charge carrier generation in pure and Sn- and Ti- doped C<formula><inf><roman>60</roman></inf></formula> films</title>. , 2001, , .		2
141	Ultrafast charge generation, high and balanced charge carrier mobilities in organo halide perovskite solar cell. , 2014, , .		2
142	Optical Pump - Multi-THz Probe Spectroscopy of a Single Crystal Organic Hybrid Lead Halide Perovskite. , 2015, , .		2
143	Ultrafast Optical Generation of Coherent Bright and Dark Surface Phonon Polaritons in Nanowires. ACS Photonics, 2020, 7, 1923-1931.	3.2	2
144	<title>Femtosecond pump-probe investigation of primary stages of charge carriers generation in C60 films</title>. , 2002, 4752, 103.		1

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145	Photon upconversion in degenerately sulfur doped InP nanowires. Nanoscale, 2015, 7, 20503-20509.	2.8	1
146	Organic Photovoltaics: Low Band Gap Polymer Solar Cells With Minimal Voltage Losses (Adv. Energy) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	10.2	1
147	Effect of probe pulse duration in picosecond ultrasonics. Applied Physics Letters, 2022, 120, 202201.	1.5	1
148	‹title›Femtosecond optical spectroscopy of fullerites‹/title›. , 1996, 2797, 94.		0
149	Observation of Frequency-Dependent Friction During Barrierless Photo-Isomerization of 1,1â€™-Diethyl-2,2â€™-Cyanine Iodide in n-Alcohol Solutions. , 2000, , .		0