

# Matthew Sfeir

## List of Publications by Year in descending order

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142  
papers

11,700  
citations

36303

51  
h-index

26613

107  
g-index

144  
all docs

144  
docs citations

144  
times ranked

14438  
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement of the Optical Conductivity of Graphene. <i>Physical Review Letters</i> , 2008, 101, 196405.	7.8	1,398
2	Extremely efficient internal exciton dissociation through edge states in layered 2D perovskites. <i>Science</i> , 2017, 355, 1288-1292.	12.6	830
3	Light-activated photocurrent degradation and self-healing in perovskite solar cells. <i>Nature Communications</i> , 2016, 7, 11574.	12.8	584
4	Molecular helices as electron acceptors in high-performance bulk heterojunction solar cells. <i>Nature Communications</i> , 2015, 6, 8242.	12.8	525
5	Efficient Organic Solar Cells with Helical Perylene Diimide Electron Acceptors. <i>Journal of the American Chemical Society</i> , 2014, 136, 15215-15221.	13.7	414
6	A transferable model for singlet-fission kinetics. <i>Nature Chemistry</i> , 2014, 6, 492-497.	13.6	402
7	Polymer bulk heterojunction solar cells employing Förster resonance energy transfer. <i>Nature Photonics</i> , 2013, 7, 479-485.	31.4	389
8	Structural patterns at all scales in a nonmetallic chiral Au <sub>133</sub> (SR) <sub>52</sub> nanoparticle. <i>Science Advances</i> , 2015, 1, e1500045.	10.3	339
9	Quantitative Intramolecular Singlet Fission in Bipentacenes. <i>Journal of the American Chemical Society</i> , 2015, 137, 8965-8972.	13.7	324
10	A design strategy for intramolecular singlet fission mediated by charge-transfer states in donor-acceptor organic materials. <i>Nature Materials</i> , 2015, 14, 426-433.	27.5	298
11	Polaron Stabilization by Cooperative Lattice Distortion and Cation Rotations in Hybrid Perovskite Materials. <i>Nano Letters</i> , 2016, 16, 3809-3816.	9.1	245
12	Optical Spectroscopy of Individual Single-Walled Carbon Nanotubes of Defined Chiral Structure. <i>Science</i> , 2006, 312, 554-556.	12.6	231
13	Probing Electronic Transitions in Individual Carbon Nanotubes by Rayleigh Scattering. <i>Science</i> , 2004, 306, 1540-1543.	12.6	228
14	Structural Dependence of Excitonic Optical Transitions and Band-Gap Energies in Carbon Nanotubes. <i>Nano Letters</i> , 2005, 5, 2314-2318.	9.1	226
15	Quintet multiexciton dynamics in singlet fission. <i>Nature Physics</i> , 2017, 13, 182-188.	16.7	220
16	Evolution from the plasmon to exciton state in ligand-protected atomically precise gold nanoparticles. <i>Nature Communications</i> , 2016, 7, 13240.	12.8	205
17	The evolution of electronic structure in few-layer graphene revealed by optical spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 14999-15004.	7.1	189
18	A Direct Mechanism of Ultrafast Intramolecular Singlet Fission in Pentacene Dimers. <i>ACS Central Science</i> , 2016, 2, 316-324.	11.3	176

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19	Sharp Transition from Nonmetallic Au <sub>246</sub> to Metallic Au <sub>279</sub> with Nascent Surface Plasmon Resonance. <i>Journal of the American Chemical Society</i> , 2018, 140, 5691-5695.	13.7	157
20	Three-orders-of-magnitude variation of carrier lifetimes with crystal phase of gold nanoclusters. <i>Science</i> , 2019, 364, 279-282.	12.6	149
21	Tuning Singlet Fission in "Bridge" Chromophores. <i>Journal of the American Chemical Society</i> , 2017, 139, 12488-12494.	13.7	147
22	Ultrafast Relaxation Dynamics of [Au <sub>25</sub> (SR) <sub>18</sub> ] <sup>+</sup> Nanoclusters: Effects of Charge State. <i>Journal of Physical Chemistry C</i> , 2010, 114, 19935-19940.	3.1	133
23	Interactions between Individual Carbon Nanotubes Studied by Rayleigh Scattering Spectroscopy. <i>Physical Review Letters</i> , 2006, 96, 167401.	7.8	117
24	Exciton Correlations in Intramolecular Singlet Fission. <i>Journal of the American Chemical Society</i> , 2016, 138, 7289-7297.	13.7	117
25	Multiphonon Relaxation Slows Singlet Fission in Crystalline Hexacene. <i>Journal of the American Chemical Society</i> , 2014, 136, 10654-10660.	13.7	114
26	Three-Stage Evolution from Non-scalable to Scalable Optical Properties of Thiolate-Protected Gold Nanoclusters. <i>Journal of the American Chemical Society</i> , 2019, 141, 19754-19764.	13.7	110
27	Intramolecular Singlet Fission in Oligoacene Heterodimers. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3373-3377.	13.8	109
28	Distinct properties of the triplet pair state from singlet fission. <i>Science Advances</i> , 2017, 3, e1700241.	10.3	102
29	Variable Electron-Phonon Coupling in Isolated Metallic Carbon Nanotubes Observed by Raman Scattering. <i>Physical Review Letters</i> , 2007, 99, 027402.	7.8	98
30	New insights into the design of conjugated polymers for intramolecular singlet fission. <i>Nature Communications</i> , 2018, 9, 2999.	12.8	97
31	A Library of Selenourea Precursors to PbSe Nanocrystals with Size Distributions near the Homogeneous Limit. <i>Journal of the American Chemical Society</i> , 2017, 139, 2296-2305.	13.7	96
32	Ultrafast Relaxation Dynamics of Rod-Shaped 25-Atom Gold Nanoclusters. <i>Journal of Physical Chemistry C</i> , 2011, 115, 6200-6207.	3.1	89
33	Ultra-fast intramolecular singlet fission to persistent multiexcitons by molecular design. <i>Nature Chemistry</i> , 2019, 11, 821-828.	13.6	85
34	Cobalt Ultrathin Film Catalyzed Ethanol Chemical Vapor Deposition of Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , 2006, 110, 11103-11109.	2.6	83
35	Controlled Placement of Individual Carbon Nanotubes. <i>Nano Letters</i> , 2005, 5, 1515-1518.	9.1	80
36	Evolution of Excited-State Dynamics in Periodic Au <sub>28</sub> , Au <sub>36</sub> , Au <sub>44</sub> , and Au <sub>52</sub> Nanoclusters. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 4023-4030.	4.6	77

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37	Singlet Exciton Fission in a Hexacene Derivative. <i>Advanced Materials</i> , 2013, 25, 1445-1448.	21.0	73
38	Triplet Harvesting from Intramolecular Singlet Fission in Polytetracene. <i>Advanced Materials</i> , 2017, 29, 1701416.	21.0	70
39	Singlet Fission in Polypentacene. <i>CheM</i> , 2016, 1, 505-511.	11.7	69
40	Assembly, Structure and Optical Response of Three-Dimensional Dynamically Tunable Multicomponent Superlattices. <i>Nano Letters</i> , 2010, 10, 4456-4462.	9.1	66
41	Room-Temperature Preparation, Characterization, and Photoluminescence Measurements of Solid Solutions of Various Compositionally-Defined Single-Crystalline Alkaline-Earth-Metal Tungstate Nanorods. <i>Chemistry of Materials</i> , 2008, 20, 5500-5512.	6.7	65
42	Intra- to Intermolecular Singlet Fission. <i>Journal of Physical Chemistry C</i> , 2015, 119, 1312-1319.	3.1	65
43	Extracting subnanometer single shells from ultralong multiwalled carbon nanotubes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 14155-14158.	7.1	64
44	Understanding the Bound Triplet-Pair State in Singlet Fission. <i>CheM</i> , 2019, 5, 1988-2005.	11.7	63
45	On the Nonmetallicity of 2.2-nm Au <sub>246</sub> (SR) <sub>80</sub> Nanoclusters. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16257-16261.	13.8	61
46	Nanostructured fibers as a versatile photonic platform: radiative cooling and waveguiding through transverse Anderson localization. <i>Light: Science and Applications</i> , 2018, 7, 37.	16.6	60
47	Novel Star-Shaped Helical Perylene Diimide Electron Acceptors for Efficient Additive-Free Nonfullerene Organic Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 27894-27901.	8.0	59
48	Electron localization in rod-shaped triicosahedral gold nanocluster. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E4697-E4705.	7.1	56
49	Effect of Surface Stoichiometry on Blinking and Hole Trapping Dynamics in CdSe Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2015, 119, 27797-27803.	3.1	55
50	Panchromatic polymer-polymer ternary solar cells enhanced by Förster resonance energy transfer and solvent vapor annealing. <i>Journal of Materials Chemistry A</i> , 2015, 3, 18611-18621.	10.3	55
51	Effects of single atom doping on the ultrafast electron dynamics of M <sub>1</sub> Au <sub>24</sub> (SR) <sub>18</sub> (M = Pd, Pt) nanoclusters. <i>Nanoscale</i> , 2016, 8, 7163-7171.	5.6	55
52	A Hot Electron-Hole Pair Breaks the Symmetry of a Semiconductor Quantum Dot. <i>Nano Letters</i> , 2013, 13, 6091-6097.	9.1	51
53	Annihilator dimers enhance triplet fusion upconversion. <i>Chemical Science</i> , 2019, 10, 3969-3975.	7.4	51
54	Quantifying Bulk and Surface Recombination Processes in Nanostructured Water Splitting Photocatalysts via In Situ Ultrafast Spectroscopy. <i>Nano Letters</i> , 2015, 15, 1076-1082.	9.1	50

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55	Light-Harvesting Nanoparticle Core-Shell Clusters with Controllable Optical Output. ACS Nano, 2015, 9, 5657-5665.	14.6	50
56	Ultrafast Supercontinuum Spectroscopy of Carrier Multiplication and Biexcitonic Effects in Excited States of PbS Quantum Dots. Nano Letters, 2012, 12, 2658-2664.	9.1	48
57	Coevaporated Bisquaraine Inverted Solar Cells: Enhancement Due to Energy Transfer and Open Circuit Voltage Control. ACS Photonics, 2015, 2, 86-95.	6.6	47
58	Quaternary Organic Solar Cells Enhanced by Cocrystalline Squaraines with Power Conversion Efficiencies >10%. Advanced Energy Materials, 2016, 6, 1600660.	19.5	46
59	Photon Upconversion in Aqueous Nanodroplets. Journal of the American Chemical Society, 2019, 141, 9180-9184.	13.7	46
60	Excited-State Behaviors of $M_{1}Au_{24}(SR)_{18}$ Nanoclusters: The Number of Valence Electrons Matters. Journal of Physical Chemistry C, 2018, 122, 13435-13442.	3.1	44
61	Molecular Engineering of Chromophores to Enable Triplet-Triplet Annihilation Upconversion. Journal of the American Chemical Society, 2020, 142, 19917-19925.	13.7	42
62	Ultrafast Relaxation Dynamics of $Au_{38}(SC_2H_4Ph)_{24}$ Nanoclusters and Effects of Structural Isomerism. Journal of Physical Chemistry C, 2017, 121, 10686-10693.	3.1	41
63	Intramolecular Singlet Fission in Oligoacene Heterodimers. Angewandte Chemie, 2016, 128, 3434-3438.	2.0	38
64	Singlet fission in a hexacene dimer: energetics dictate dynamics. Chemical Science, 2020, 11, 1079-1084.	7.4	35
65	Efficient Charge Separation in Multidimensional Nano hybrids. Nano Letters, 2011, 11, 4562-4568.	9.1	34
66	Fast Singlet Exciton Decay in Push-Pull Molecules Containing Oxidized Thiophenes. Journal of Physical Chemistry B, 2015, 119, 7644-7650.	2.6	34
67	Properties of Poly- and Oligopentacenes Synthesized from Modular Building Blocks. Macromolecules, 2016, 49, 1279-1285.	4.8	34
68	The Role of Long-Lived Excitons in the Dynamics of Strongly Coupled Molecular Polaritons. ACS Photonics, 2020, 7, 2292-2301.	6.6	34
69	Hole Extraction by Design in Photocatalytic Architectures Interfacing CdSe Quantum Dots with Topochemically Stabilized Tin Vanadium Oxide. Journal of the American Chemical Society, 2018, 140, 17163-17174.	13.7	33
70	Static and Dynamic Optical Properties of $LaSrFeO_3$ : The Effects of A-Site and Oxygen Stoichiometry. Chemistry of Materials, 2016, 28, 97-105.	6.7	32
71	$Au_{130}Ag$ Nanoclusters with Non-Metallicity: A Drum of Silver-Rich Sites Enclosed in a Marks-Decahedral Cage of Gold-Rich Sites. Angewandte Chemie - International Edition, 2019, 58, 18798-18802.	13.8	32
72	Achieving Long-Lived Triplet States in Intramolecular SF Films through Molecular Engineering. Chem, 2019, 5, 2405-2417.	11.7	31

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73	Persistent Multiexcitons from Polymers with Pendent Pentacenes. <i>Journal of the American Chemical Society</i> , 2019, 141, 9564-9569.	13.7	31
74	Preferential Charge Generation at Aggregate Sites in Narrow Band Gap Infrared Photoresponsive Polymer Semiconductors. <i>Advanced Optical Materials</i> , 2018, 6, 1701138.	7.3	29
75	Anomalous phonon relaxation in Au <sup>333</sup> (SR) <sup>79</sup> nanoparticles with nascent plasmons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 13215-13220.	7.1	29
76	Covalent Synthesis and Optical Characterization of Double-Walled Carbon Nanotube~Nanocrystal Heterostructures. <i>Journal of Physical Chemistry C</i> , 2010, 114, 8766-8773.	3.1	27
77	Graphite, Tubular PAHs, and the Diffuse Interstellar Bands. <i>Astrophysical Journal</i> , 2006, 638, L105-L108.	4.5	25
78	Directional Charge Transfer Mediated by Mid-Gap States: A Transient Absorption Spectroscopy Study of CdSe Quantum Dot/ <sup>2</sup> -Pb <sup>0.33</sup> V <sup>2</sup> O <sup>5</sup> Heterostructures. <i>Journal of Physical Chemistry C</i> , 2016, 120, 5221-5232.	3.1	25
79	Solution~Processable Donor~Acceptor Polymers with Modular Electronic Properties and Very Narrow Bandgaps. <i>Macromolecular Rapid Communications</i> , 2014, 35, 1516-1521.	3.9	23
80	Unravelling Photocarrier Dynamics beyond the Space Charge Region for Photoelectrochemical Water Splitting. <i>Chemistry of Materials</i> , 2017, 29, 4036-4043.	6.7	23
81	Crystalline Graphite from an Organometallic Solution-Phase Reaction. <i>Journal of the American Chemical Society</i> , 2006, 128, 15590-15591.	13.7	22
82	Multiphonon Raman Scattering from Individual Single-Walled Carbon Nanotubes. <i>Physical Review Letters</i> , 2007, 98, 047402.	7.8	22
83	Role of size and defects in ultrafast broadband emission dynamics of ZnO nanostructures. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	21
84	Anticipating Acene-Based Chromophore Spectra with Molecular Orbital Arguments. <i>Journal of Physical Chemistry A</i> , 2019, 123, 2527-2536.	2.5	21
85	Edge States Drive Exciton Dissociation in Ruddlesden~Popper Lead Halide Perovskite Thin Films. , 2020, 2, 1360-1367.		20
86	Linear and Nonlinear Optical Properties of Photoresponsive [60]Fullerene Hybrid Triads and Tetrads with Dual NIR Two-Photon Absorption Characteristics. <i>Journal of Physical Chemistry C</i> , 2013, 117, 17186-17195.	3.1	19
87	Enhanced broadband ultrafast detection of ultraviolet emission using optical Kerr gating. <i>Review of Scientific Instruments</i> , 2014, 85, 055114.	1.3	19
88	Charge Transfer from Carbon Nanotubes to Silicon in Flexible Carbon Nanotube/Silicon Solar Cells. <i>Small</i> , 2017, 13, 1702387.	10.0	18
89	Growth kinetics determine the polydispersity and size of PbS and PbSe nanocrystals. <i>Chemical Science</i> , 2022, 13, 4555-4565.	7.4	18
90	Ultrathin Europium Oxide Nanoplatelets: ~Hidden~Parameters and Controlled Synthesis, Unusual Crystal Structure, and Photoluminescence Properties. <i>Chemistry of Materials</i> , 2015, 27, 965-974.	6.7	17

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91	Quantifying Exciton Transport in Singlet Fission Diblock Copolymers. <i>Journal of the American Chemical Society</i> , 2022, 144, 3269-3278.	13.7	17
92	Effect of number of walls on plasmon behavior in carbon nanotubes. <i>Carbon</i> , 2009, 47, 162-168.	10.3	16
93	On the Non-Metallicity of 2.2-nm Au 246 (SR) 80 Nanoclusters. <i>Angewandte Chemie</i> , 2017, 129, 16475-16479.	9.0	16
94	Bridge Resonance Effects in Singlet Fission. <i>Journal of Physical Chemistry A</i> , 2020, 124, 9392-9399.	2.5	16
95	Influence of Nanostructure on the Exciton Dynamics of Multichromophore Donor-Acceptor Block Copolymers. <i>ACS Nano</i> , 2017, 11, 4593-4598.	14.6	15
96	Au <sub>130</sub> Ag Nanoclusters with Non-Metallicity: A Drum of Silver-Rich Sites Enclosed in a Marks-Decahedral Cage of Gold-Rich Sites. <i>Angewandte Chemie</i> , 2019, 131, 18974-18978.	2.0	15
97	The Effects of Side-Chain-Induced Disorder on the Emission Spectra and Quantum Yields of Oligothiophene Nanoaggregates: A Combined Experimental and MD-TDDFT Study. <i>Journal of Physical Chemistry A</i> , 2014, 118, 10464-10473.	2.5	14
98	Efficient Free Triplet Generation Follows Singlet Fission in Diketopyrrolopyrrole Polymorphs with Goldilocks Coupling. <i>Journal of Physical Chemistry C</i> , 2021, 125, 12207-12213.	3.1	14
99	Singlet fission and triplet pair recombination in bipentacenes with a twist. <i>Materials Horizons</i> , 2022, 9, 462-470.	12.2	14
100	Ultrafast optical snapshots of hybrid perovskites reveal the origin of multiband electronic transitions. <i>Physical Review B</i> , 2017, 96, .	3.2	13
101	Charge transfer states impact the triplet pair dynamics of singlet fission polymers. <i>Journal of Chemical Physics</i> , 2020, 153, 244902.	3.0	13
102	Electrical transport measurements of nanotubes with known (n,m) indices. <i>Physica Status Solidi (B): Basic Research</i> , 2006, 243, 3359-3364.	1.5	12
103	Probing Structure-Induced Optical Behavior in a New Class of Self-Activated Luminescent 0D/1D CaWO <sub>4</sub> Metal Oxide-CdSe Nanocrystal Composite Heterostructures. <i>Chemistry of Materials</i> , 2015, 27, 778-792.	6.7	12
104	Multimodal Optical Nanoprobe for Advanced In-Situ Electron Microscopy. <i>Microscopy Today</i> , 2012, 20, 32-37.	0.3	11
105	Programming Interfacial Energetic Offsets and Charge Transfer in $\text{Pb}_{0.33}\text{V}_2\text{O}_5$ /Quantum-Dot Heterostructures: Tuning Valence-Band Edges to Overlap with Midgap States. <i>Journal of Physical Chemistry C</i> , 2016, 120, 28992-29001.	3.1	11
106	Excitonic Lasing in Solution-Processed Subwavelength Nanosphere Assemblies. <i>Nano Letters</i> , 2016, 16, 2004-2010.	9.1	11
107	Exciton-Exciton Annihilation as a Probe of Interchain Interactions in PPV-Oligomer Aggregates. <i>Journal of Physical Chemistry B</i> , 2017, 121, 1707-1714.	2.6	11
108	Infrared spectra of individual semiconducting single-walled carbon nanotubes: Testing the scaling of transition energies for large diameter nanotubes. <i>Physical Review B</i> , 2010, 82, .	3.2	9

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109	Modifying the Spectral Weights of Vibronic Transitions via Strong Coupling to Surface Plasmons. ACS Photonics, 2020, 7, 43-48.	6.6	9
110	Ultrafast thermal modification of strong coupling in an organic microcavity. APL Photonics, 2021, 6, 016103.	5.7	9
111	Probing differential optical and coverage behavior in nanotube-nanocrystal heterostructures synthesized by covalent versus non-covalent approaches. Dalton Transactions, 2014, 43, 7480.	3.3	8
112	Doping-driven electronic and lattice dynamics in the phase-change material vanadium dioxide. Physical Review B, 2020, 102, .	3.2	8
113	Au <sub>10</sub> (TBBT) <sub>10</sub> : The beginning and the end of Au <sub>n</sub> (TBBT) <sub>m</sub> nanoclusters. Chinese Journal of Chemical Physics, 2018, 31, 555-562.	1.3	7
114	Multicomponent Oxynitride Thin Films: Precise Growth Control and Excited State Dynamics. Chemistry of Materials, 2019, 31, 3461-3467.	6.7	7
115	Quantifying the Relationship between the Maximum Achievable Voltage and Current Levels in Low-Bandgap Polymer Photovoltaics. Journal of Physical Chemistry C, 2013, 117, 25955-25960.	3.1	6
116	Predicting excitonic gaps of semiconducting single-walled carbon nanotubes from a field theoretic analysis. Physical Review B, 2015, 91, .	3.2	6
117	Type-II heterostructures of $\text{In}_2\text{S}_3$ -V <sub>2</sub> O <sub>5</sub> nanowires interfaced with cadmium chalcogenide quantum dots: Programmable energetic offsets, ultrafast charge transfer, and photocatalytic hydrogen evolution. Journal of Chemical Physics, 2019, 151, 224702.	3.0	6
118	Characterization of plasmonic hole arrays as transparent electrical contacts for organic photovoltaics using high-brightness Fourier transform methods. Journal of Modern Optics, 2014, 61, 1735-1742.	1.3	4
119	Plasmonic hole arrays for combined photon and electron management. Applied Physics Letters, 2016, 109, .	3.3	3
120	Improving the performance of P3HT/PCBM solar cells with squaraine dye. Proceedings of SPIE, 2013, , .	0.8	1
121	Plasmonic transparent conductors. , 2016, , .		1
122	Solar Cells: Quaternary Organic Solar Cells Enhanced by Cocrystalline Squaraines with Power Conversion Efficiencies >10% (Adv. Energy Mater. 21/2016). Advanced Energy Materials, 2016, 6, .	19.5	1
123	The Elusive Nature of Excited States in Singlet Fission Materials. Chem, 2018, 4, 935-936.	11.7	1
124	Large-Area Lasing in Nanoscale Complex Media: The Critical Role of Local Dielectric Environment. Advanced Optical Materials, 0, , 2200650.	7.3	1
125	Probing nano-structures using Rayleigh scattering with supercontinuum radiation. , 0, , .		0
126	Simultaneous determination of structure and optical transitions of individual single-walled carbon nanotubes. , 2006, , .		0



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127	Raman scattering from individual, isolated metallic carbon nanotubes. , 2007, , .		0
128	Hafnium (IV) and zirconium (IV) porphyrinoid diacetate complexes as new dyes for solar cells. , 2010, , .		0
129	Ultrafast supercontinuum spectroscopy of multiple exciton states in lead chalcogenide nanorods and nanocrystals. , 2012, , .		0
130	Ultrafast Optical Properties of PbSe Nano-Rods: One Dimensional Excitons. , 2014, , .		0
131	The optical properties of conjugated materials and their aggregates: towards imaging of films and devices. Proceedings of SPIE, 2014, , .	0.8	0
132	Charge Transfer Dynamics between Colloidal Nanocrystals and Graphene. , 2014, , .		0
133	Quantifying singlet fission in novel organic materials using nonlinear optics. , 2014, , .		0
134	Electronic and optical properties of novel carbazole-based donor-acceptor compounds for applications in blue-emitting organic light-emitting diodes. , 2015, , .		0
135	Unique Photophysical Properties of Infrared Absorbing Polymers. , 2019, , .		0
136	Probing Interactions between Individual Carbon Nanotubes by Rayleigh Scattering Spectroscopy. , 2006, , .		0
137	Spectroscopy of the Electronic Transitions of Individual Carbon Nanotubes of Defined Crystal Structure. , 2006, , .		0
138	Probing Electronic States and Dynamics in Graphene by Optical Spectroscopy. , 2011, , .		0
139	Examining Nanoscale Photovoltaics with High Brightness Fourier Transform Measurements. , 2013, , .		0
140	Stimulated polariton emission from ZnO-nanoparticles based microcavity. , 2014, , .		0
141	Room-Temperature Exciton Lasing In Ultrathin Film of Coupled Nanocrystals. , 2015, , .		0
142	Singlet Fission: Current Challenges and Spectroscopy. , 2019, , .		0