

Jau Tang

List of Publications by Year in descending order

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176
papers

5,850
citations

81839

39
h-index

85498

71
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178
all docs

178
docs citations

178
times ranked

6053
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure of Rhodopseudomonas sphaeroides R-26 reaction center. FEBS Letters, 1986, 205, 82-86.	1.3	524
2	Temperature-Dependent Fluorescence in Carbon Dots. Journal of Physical Chemistry C, 2012, 116, 25552-25557.	1.5	407
3	Fourier-transform and continuous-wave EPR studies of nickel in synthetic diamond: Site and spin multiplicity. Physical Review B, 1990, 41, 3905-3913.	1.1	222
4	Mechanisms of fluorescence blinking in semiconductor nanocrystal quantum dots. Journal of Chemical Physics, 2005, 123, 054704.	1.2	215
5	Diffusion-Controlled Electron Transfer Processes and Power-Law Statistics of Fluorescence Intermittency of Nanoparticles. Physical Review Letters, 2005, 95, 107401.	2.9	191
6	Intrinsic and Extrinsic Fluorescence in Carbon Nanodots: Ultrafast Time-Resolved Fluorescence and Carrier Dynamics. Advanced Optical Materials, 2013, 1, 173-178.	3.6	156
7	A general model of electron spin polarization arising from the interactions within radical pairs. Journal of Chemical Physics, 1990, 92, 4239-4249.	1.2	145
8	On the upconversion fluorescence in carbon nanodots and graphene quantum dots. Chemical Communications, 2014, 50, 4703-4706.	2.2	140
9	Fluorescence Dynamics in BSA-Protected Au ₂₅ Nanoclusters. Journal of Physical Chemistry C, 2012, 116, 19032-19038.	1.5	114
10	Structure-Related Dual Fluorescent Bands in BSA-Protected Au ₂₅ Nanoclusters. Journal of Physical Chemistry C, 2012, 116, 11830-11836.	1.5	97
11	Magnetic characterization of the primary state of bacterial photosynthesis. Proceedings of the National Academy of Sciences of the United States of America, 1982, 79, 5532-5536.	3.3	94
12	Four-dimensional imaging of carrier interface dynamics in p-n junctions. Science, 2015, 347, 164-167.	6.0	90
13	Efficient electron transfer in carbon nanodot-graphene oxide nanocomposites. Journal of Materials Chemistry C, 2014, 2, 2894.	2.7	87
14	Photoinduced Ultrafast Charge Separation in Plexcitonic CdSe/Au and CdSe/Pt Nanorods. Journal of Physical Chemistry Letters, 2013, 4, 3596-3601.	2.1	86
15	Ultrafast electron transfer in the nanocomposite of the graphene oxide-Au nanocluster with graphene oxide as a donor. Journal of Materials Chemistry C, 2014, 2, 3826-3834.	2.7	82
16	The Shannon channel capacity of dispersion-free nonlinear optical fiber transmission. Journal of Lightwave Technology, 2001, 19, 1104-1109.	2.7	78
17	Temperature-Dependent Fluorescence in Au ₁₀ Nanoclusters. Journal of Physical Chemistry C, 2012, 116, 6567-6571.	1.5	78
18	A highly efficient graphene oxide absorber for Q-switched Nd:GdVO ₄ lasers. Nanotechnology, 2011, 22, 455203.	1.3	77

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19	Fluorescent Metallic Nanoclusters: Electron Dynamics, Structure, and Applications. Particle and Particle Systems Characterization, 2015, 32, 142-163.	1.2	77
20	Singlet photochemistry in model photosynthesis: identification of charge separated intermediates by Fourier transform and CW-EPR spectroscopies. Journal of the American Chemical Society, 1990, 112, 6477-6481.	6.6	76
21	The channel capacity of a multispan DWDM system employing dispersive nonlinear optical fibers and an ideal coherent optical receiver. Journal of Lightwave Technology, 2002, 20, 1095-1101.	2.7	76
22	Effects of the Duschinsky mode-mixing mechanism on temperature dependence of electron transfer processes. Journal of Chemical Physics, 2003, 119, 7188-7196.	1.2	76
23	Imaging rotational dynamics of nanoparticles in liquid by 4D electron microscopy. Science, 2017, 355, 494-498.	6.0	74
24	Influence of Iron-Removal Procedures on Sequential Electron Transfer in Photosynthetic Bacterial Reaction Centers Studied by Transient EPR Spectroscopy. Biochemistry, 1997, 36, 8548-8558.	1.2	69
25	Time-resolved structural dynamics of thin metal films heated with femtosecond optical pulses. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 18887-18892.	3.3	69
26	Antibunching Single-Photon Emission and Blinking Suppression of CdSe/ZnS Quantum Dots. ACS Nano, 2009, 3, 3051-3056.	7.3	66
27	Single particle versus ensemble average: From power-law intermittency of a single quantum dot to quasistretched exponential fluorescence decay of an ensemble. Journal of Chemical Physics, 2005, 123, 204511.	1.2	65
28	Ultrafast Electron Microscopy (UEM): Four-Dimensional Imaging and Diffraction of Nanostructures during Phase Transitions. Nano Letters, 2007, 7, 2552-2558.	4.5	59
29	High-power, passively mode-locked Nd:GdVO ₄ laser using single-walled carbon nanotubes as saturable absorber. Optics Letters, 2011, 36, 1284.	1.7	59
30	Electron Spin Polarization Model Applied to Sequential Electron Transfer in Iron-Containing Photosynthetic Bacterial Reaction Centers with Different Quinones as QA. The Journal of Physical Chemistry, 1995, 99, 3854-3866.	2.9	55
31	Effects of a fluctuating electronic coupling matrix element on electron transfer rate. Journal of Chemical Physics, 1993, 98, 6263-6266.	1.2	52
32	Temperature dependent spectral properties of type-I and quasi type-II CdSe/CdS dot-in-rod nanocrystals. Physical Chemistry Chemical Physics, 2012, 14, 3505.	1.3	49
33	Determination of energetics and kinetics from single-particle intermittency and ensemble-averaged fluorescence intensity decay of quantum dots. Journal of Chemical Physics, 2006, 125, 044703.	1.2	47
34	High-efficiency cascade CdS/CdSe quantum dot-sensitized solar cells based on hierarchical tetrapod-like ZnO nanoparticles. Physical Chemistry Chemical Physics, 2012, 14, 13539.	1.3	46
35	Structure of the Radical Pair Intermediate in Photosystem I by High Time Resolution Multifrequency Electron Paramagnetic Resonance: Analysis of Quantum Beat Oscillations. Journal of the American Chemical Society, 2001, 123, 4211-4222.	6.6	45
36	Multiple quantum NMR and relaxation of an oriented CH ₃ group. Journal of Chemical Physics, 1980, 72, 3290-3297.	1.2	42

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37	LPZ spectral analysis using linear prediction and the z-transform. <i>Journal of Chemical Physics</i> , 1986, 84, 5210-5211.	1.2	42
38	Theoretical calculations of kinetics of the radical pair PF state in bacterial photosynthesis. <i>Chemical Physics Letters</i> , 1982, 92, 136-140.	1.2	41
39	An alternative to Fourier transform spectral analysis with improved resolution. <i>Journal of Magnetic Resonance</i> , 1985, 62, 167-171.	0.5	41
40	Chain dynamics and power-law distance fluctuations of single-molecule systems. <i>Physical Review E</i> , 2006, 73, 022102.	0.8	41
41	The multispan effects of Kerr nonlinearity and amplifier noises on Shannon channel capacity of a dispersion-free nonlinear optical fiber. <i>Journal of Lightwave Technology</i> , 2001, 19, 1110-1115.	2.7	39
42	Saturable absorber using single wall carbon nanotube-poly (vinylalcohol) deposited by the vertical evaporation technique. <i>Optics Communications</i> , 2011, 284, 1303-1306.	1.0	39
43	Modification of Fluorescence Properties in Single Colloidal Quantum Dots by Coupling to Plasmonic Gap Modes. <i>Journal of Physical Chemistry C</i> , 2013, 117, 12762-12768.	1.5	39
44	Photoinduced nanobubble-driven superfast diffusion of nanoparticles imaged by 4D electron microscopy. <i>Science Advances</i> , 2017, 3, e1701160.	4.7	39
45	Transient W-Band EPR Study of Sequential Electron Transfer in Photosynthetic Bacterial Reaction Centers. <i>Journal of Physical Chemistry B</i> , 1999, 103, 5145-5150.	1.2	38
46	Multiple-quantum EPR coherence in a spin-correlated radical pair system. <i>Chemical Physics Letters</i> , 1995, 233, 192-200.	1.2	36
47	Massive Enhancement of Photoluminescence through Nanofilm Dewetting. <i>ACS Nano</i> , 2013, 7, 6658-6666.	7.3	35
48	A comparison study of the Shannon channel capacity of various nonlinear optical fibers. <i>Journal of Lightwave Technology</i> , 2006, 24, 2070-2075.	2.7	33
49	Blinking suppression of colloidal CdSe/ZnS quantum dots by coupling to silver nanoprisms. <i>Applied Physics Letters</i> , 2009, 94, 243108.	1.5	33
50	Near-infrared enhanced carbon nanodots by thermally assisted growth. <i>Applied Physics Letters</i> , 2012, 101, .	1.5	33
51	On superexchange electron transfer reactions involving three paraboloidal potential surfaces in a two-dimensional reaction coordinate. <i>Journal of Chemical Physics</i> , 1994, 101, 5615-5622.	1.2	32
52	Metallophilic Bond-Induced Quenching of Delayed Fluorescence in Au ₂₅ @BSA Nanoclusters. <i>Particle and Particle Systems Characterization</i> , 2013, 30, 467-472.	1.2	31
53	Theoretical calculations of microwave effects on the triplet yield in photosynthetic reaction centers. <i>Chemical Physics Letters</i> , 1983, 94, 77-80.	1.2	28
54	Magnetic-Field-Induced Orientation of Photosynthetic Reaction Centers As Revealed by Time-Resolved W-Band EPR of Spin-Correlated Radical Pairs. <i>Journal of Physical Chemistry B</i> , 1999, 103, 10733-10736.	1.2	28

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55	4D Imaging and Diffraction Dynamics of Single-Particle Phase Transition in Heterogeneous Ensembles. Nano Letters, 2014, 14, 946-954.	4.5	27
56	Electron-transfer reactions involving non-linear spin-boson interactions. Chemical Physics, 1994, 188, 143-160.	0.9	26
57	Electron spin resonance line shapes for one- and two-dimensional random walk processes. Journal of Chemical Physics, 1995, 103, 2873-2881.	1.2	25
58	Effects of sequential electron transfer on electron spin polarized transient EPR spectra at high fields. Chemical Physics Letters, 1996, 253, 293-298.	1.2	25
59	Single fluorescent gold nanoclusters. Optics Express, 2009, 17, 16111.	1.7	25
60	Quantum Confined Stark Effect in Au ₈ and Au ₂₅ Nanoclusters. Journal of Physical Chemistry C, 2013, 117, 3621-3626.	1.5	24
61	Modification of Photon Emission Statistics from Single Colloidal CdSe Quantum Dots by Conductive Materials. Journal of Physical Chemistry C, 2014, 118, 18126-18132.	1.5	24
62	Hafnium nitride for hot carrier solar cells. Solar Energy Materials and Solar Cells, 2016, 144, 781-786.	3.0	24
63	Spectral analysis using linear prediction z-transform and autoregression. Chemical Physics Letters, 1986, 131, 252-255.	1.2	23
64	Blinking suppression of single quantum dots in agarose gel. Applied Physics Letters, 2010, 96, .	1.5	23
65	Single-Particle Studies of Band Alignment Effects on Electron Transfer Dynamics from Semiconductor Hetero-nanostructures to Single-Walled Carbon Nanotubes. ACS Nano, 2012, 6, 176-182.	7.3	23
66	LP-ZOOM, a linear prediction method for local spectral analysis of NMR signals. Journal of Magnetic Resonance, 1988, 79, 190-196.	0.5	22
67	880 nm LD pumped passive Q-switched and mode-locked Nd:YVO ₄ laser using a single-walled carbon nanotube saturable absorber. Laser Physics, 2011, 21, 454-458.	0.6	22
68	Singlet and Triplet Carrier Dynamics in Rubrene Single Crystal. Journal of Physical Chemistry C, 2013, 117, 17741-17747.	1.5	22
69	Fluorescence origin and spectral broadening mechanism in atomically precise Au ₈ nanoclusters. Nanoscale, 2013, 5, 10251.	2.8	22
70	Time-domain analysis of EPR measurements of polyacetylene and soliton diffusion. Physical Review B, 1983, 28, 2845-2847.	1.1	21
71	Two-dimensional LPZ spectral analysis with improved resolution and sensitivity. Journal of Magnetic Resonance, 1986, 69, 180-186.	0.5	21
72	The general treatment of superexchange versus sequential electron transfer in a three-component system. Journal of Chemical Physics, 1993, 99, 979-984.	1.2	21

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73	Photoinduced Spectral Diffusion and Diffusion-Controlled Electron Transfer Reactions in Fluorescence Intermittency of Quantum Dots. <i>Journal of the Chinese Chemical Society</i> , 2006, 53, 1-13.	0.8	21
74	Photoinduced Structural Dynamics in Laser-Heated Nanomaterials of Various Shapes and Sizes. <i>Journal of Physical Chemistry C</i> , 2008, 112, 17133-17137.	1.5	20
75	Observation of Coalescence Process of Silver Nanospheres During Shape Transformation to Nanoprisms. <i>Nanoscale Research Letters</i> , 2011, 6, 46.	3.1	20
76	The general treatment of dynamic solvent effects in electron transfer at high temperature. <i>Journal of Chemical Physics</i> , 1992, 97, 7251-7256.	1.2	19
77	Anomalous pulse-angle and phase dependence of Hahn's electron spin echo and multiple-quantum echoes in a photoinduced spin-correlated radical pair. <i>Journal of Chemical Physics</i> , 1997, 106, 7471-7478.	1.2	19
78	Distance versus energy fluctuations and electron transfer in single protein molecules. <i>Physical Review E</i> , 2006, 73, 061108.	0.8	19
79	Ultrafast Electron Crystallography. 3. Theoretical Modeling of Structural Dynamics. <i>Journal of Physical Chemistry C</i> , 2007, 111, 8957-8970.	1.5	19
80	Coherent phonon excitation and linear thermal expansion in structural dynamics and ultrafast electron diffraction of laser-heated metals. <i>Journal of Chemical Physics</i> , 2008, 128, 164702.	1.2	19
81	Carrier dynamics in InN nanorod arrays. <i>Optics Express</i> , 2012, 20, 769.	1.7	19
82	The effects of quantum modes on the energy gap law for electron-transfer reactions. <i>Journal of Chemical Physics</i> , 1993, 99, 5828-5830.	1.2	18
83	Observing in space and time the ephemeral nucleation of liquid-to-crystal phase transitions. <i>Nature Communications</i> , 2015, 6, 8639.	5.8	18
84	Multiple quantum NMR study of correlation of two methyl groups. <i>Journal of Chemical Physics</i> , 1980, 73, 2512-2513.	1.2	17
85	Coherent acoustic wave oscillations and melting on Ag(111) surface by time resolved x-ray diffraction. <i>Applied Physics Letters</i> , 2012, 100, .	1.5	16
86	Linear prediction z-transform (LPZ) method, Padé rational approximation, and the burg maximum entropy extrapolation. <i>Journal of Magnetic Resonance</i> , 1988, 78, 23-30.	0.5	15
87	Oscillations and non-exponential decays in electron-transfer reactions. <i>Chemical Physics Letters</i> , 1996, 254, 6-12.	1.2	15
88	The effects of anharmonicity on electron-transfer reactions. <i>Chemical Physics</i> , 1994, 179, 105-114.	0.9	14
89	Nanoscale heat transfer in a thin aluminum film and femtosecond time-resolved electron diffraction. <i>Applied Physics Letters</i> , 2008, 92, .	1.5	14
90	Influences of light intensity on fluorescence lifetime of nanorods and quantum dots. <i>Applied Physics Letters</i> , 2008, 93, 223110.	1.5	14

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91	Studies of the photostability of CdSe/CdS dot-in-rod nanoparticles. Journal of Nanoparticle Research, 2012, 14, 1.	0.8	14
92	Probing the photoluminescence properties of gold nanoclusters by fluorescence lifetime correlation spectroscopy. Journal of Chemical Physics, 2013, 139, 234311.	1.2	14
93	Influence of bin time and excitation intensity on fluorescence lifetime distribution and blinking statistics of single quantum dots. Applied Physics Letters, 2009, 95, .	1.5	13
94	Diode-pumped passively Q-switched and Q-switch mode-locked Nd:YVO4 laser using single-wall carbon nanotube based saturable absorber. Laser Physics, 2011, 21, 867-872.	0.6	13
95	Optical properties of gold particle-cluster core-satellite nanoassemblies. RSC Advances, 2013, 3, 19609.	1.7	13
96	Photon-induced Near-Field Electron Microscopy of Eukaryotic Cells. Angewandte Chemie - International Edition, 2017, 56, 11498-11501.	7.2	13
97	Dynamics and control of gold-encapped gallium arsenide nanowires imaged by 4D electron microscopy. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 12876-12881.	3.3	13
98	Spin-lattice relaxation of reorienting or tunneling deuterated methyl groups. Journal of Chemical Physics, 1980, 73, 172-175.	1.2	12
99	Temperature dependent electron spin echo studies of polarons in donor- and acceptor-doped poly(p-phenylene): Structural studies. Synthetic Metals, 1987, 17, 617-622.	2.1	12
100	Quantum-tunneling versus thermally activated electron transfer in ohmic and non-ohmic heat baths. Journal of Chemical Physics, 1997, 107, 3485-3491.	1.2	12
101	Efficient diode-pumped Yb:LuYSiO ₅ laser mode locked by single-walled carbon nanotube absorber. Optical Engineering, 2011, 50, 114202.	0.5	12
102	Induced pH-dependent shift by local surface plasmon resonance in functionalized gold nanorods. Nanoscale Research Letters, 2013, 8, 103.	3.1	12
103	The enhancement of electron-phonon coupling in glutathione-protected Au ₂₅ clusters. Journal of Colloid and Interface Science, 2013, 402, 86-89.	5.0	12
104	Size Effects and Breakdown of the Power-Law Blinking Statistics of CdSe Nanorods. Journal of Physical Chemistry A, 2007, 111, 9336-9339.	1.1	11
105	Probing and controlling fluorescence blinking of single semiconductor nanoparticles. Nano Reviews, 2011, 2, 5895.	3.7	11
106	Performance Enhancement of CdS/CdSe Quantum Dot-Sensitized Solar Cells with (001)-Oriented Anatase TiO ₂ Nanosheets Photoanode. Nanoscale Research Letters, 2019, 14, 18.	3.1	11
107	Recombination dynamics of photoluminescence in thiol-protected gold nanoclusters. Applied Physics Letters, 2009, 95, 261911.	1.5	10
108	Fabrication and characterization of double-wall carbon nanotube absorber for passive mode-locked Nd:GdVO ₄ laser. Laser Physics, 2011, 21, 1689-1693.	0.6	10

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109	Research on the rapid combustion process of butane under microwave discharge. <i>Scientific Reports</i> , 2022, 12, 10.	1.6	10
110	Anisotropic spin-lattice relaxation of deuterated hexamethylbenzene. <i>Journal of Magnetic Resonance</i> , 1980, 41, 389-394.	0.5	9
111	Tunneling mechanism in electron transfer. A view from the Feynman's path integral approach. <i>Chemical Physics Letters</i> , 1994, 227, 170-179.	1.2	9
112	The effects of anomalous diffusion on power-law blinking statistics of CdSe nanorods. <i>Journal of Chemical Physics</i> , 2008, 129, 084709.	1.2	9
113	Jet propulsion by microwave air plasma in the atmosphere. <i>AIP Advances</i> , 2020, 10, .	0.6	9
114	Synthesis of Silver Nanoprisms and Nanodiscs an Applications in Fluorescence Blinking Suppression. <i>Journal of the Chinese Chemical Society</i> , 2010, 57, 528-533.	0.8	8
115	Observation of Inverted Regime Electron Transfer in CdSe/ZnS QDs from pH-Sensitive Single-Particle and Ensemble Fluorescence Measurements. <i>Journal of Physical Chemistry C</i> , 2011, 115, 13977-13984.	1.5	8
116	Dynamic study on the transformation process of gold nanoclusters. <i>Nanotechnology</i> , 2014, 25, 445705.	1.3	8
117	On superexchange electron-transfer coupling for a three-component system. <i>Chemical Physics</i> , 1993, 175, 337-342.	0.9	7
118	Fluorescence intermittency of silicon nanocrystals and other quantum dots: A unified two-dimensional diffusion-controlled reaction model. <i>Journal of Chemical Physics</i> , 2007, 127, 111105.	1.2	7
119	Pumping-power-dependent photoluminescence angular distribution from an opal photonic crystal composed of monodisperse Eu ³⁺ /SiO ₂ core/shell nanospheres. <i>Optics Express</i> , 2012, 20, 15418.	1.7	7
120	Passively Q-Switched and mode-locked Nd:YVO ₄ laser with sandwich structured wallpaper graphene oxide absorber. <i>Laser Physics</i> , 2012, 22, 133-136.	0.6	7
121	Wall paper single-walled carbon nanotubes absorber for passively mode-locked Nd: GdVO ₄ laser. <i>Optics Communications</i> , 2012, 285, 1891-1894.	1.0	7
122	Characterization of single 1.8-nm Au nanoparticle attachments on AFM tips for single sub-4-nm object pickup. <i>Nanoscale Research Letters</i> , 2013, 8, 482.	3.1	7
123	Simple and Fast Method To Fabricate Single-Nanoparticle-Terminated Atomic Force Microscope Tips. <i>Journal of Physical Chemistry C</i> , 2013, 117, 13239-13246.	1.5	7
124	Superexchange electron-transfer reactions in a three-component system. The spin-boson model for photosynthesis. <i>Chemical Physics Letters</i> , 1994, 217, 55-60.	1.2	6
125	Electron transfer reactions in a non-Debye medium with frequency-dependent friction. <i>Journal of Chemical Physics</i> , 1996, 104, 9408-9416.	1.2	6
126	Structural implications of transient X-, K- and W-band EPR spectra of deuterated and protonated reaction centers of <i>Rhodobacter sphaeroides</i> R-26. <i>Chemical Physics Letters</i> , 1998, 290, 49-57.	1.2	6

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127	4D electron microscopy of T cell activation. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 22014-22019.	3.3	6
128	Directional motion of dielectric droplets on polymer-coated conductor driven by electric corona discharge. Applied Physics Letters, 2019, 114, .	1.5	6
129	Electron Spin Echo Studies of Donor-Doped Poly(P-Phenylene) and Its Oligomers. Molecular Crystals and Liquid Crystals, 1984, 107, 81-90.	0.9	5
130	Pad \hat{A} approximation and linear prediction methods. Nature, 1988, 333, 216-216.	13.7	5
131	Enhanced spectral resolution in 2D NMR signal analysis using linear prediction extrapolation and apodization. Journal of Magnetic Resonance, 1989, 83, 473-483.	0.5	5
132	The time development of the magnetic moment of correlated radical pairs. Journal of Magnetic Resonance, 1992, 97, 322-334.	0.5	5
133	Sequential and superexchange electron-transfer reactions in a three-component system. Chemical Physics, 1994, 184, 39-50.	0.9	5
134	Short-time power-law blinking statistics of single quantum dots and a test of the diffusion-controlled electron transfer model. Journal of Chemical Physics, 2009, 131, 064506.	1.2	5
135	Modification of spontaneous emission rates in single colloidal CdSe/ZnS quantum dots by a submicron-sized dielectric disk. Applied Physics Letters, 2011, 99, 053116.	1.5	5
136	Deconvolution of kinetic decays and fitting of multiple exponential decay curves by the linear prediction method. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1988, 273, 338-342.	0.7	4
137	Fluctuating reaction rate and non-exponential blinking statistics in single-enzyme kinetics. Chemical Physics Letters, 2008, 463, 134-138.	1.2	4
138	Laser-Fluence Dependence of Acoustic Phonon Excitation in Metallic Thin Films and Determination of the Gr \hat{A} neisen Parameter. Journal of Physical Chemistry C, 2009, 113, 15014-15017.	1.5	4
139	Selective acoustic phonon mode excitation of multi-mode silver nanoprisms. Chemical Physics Letters, 2010, 496, 326-329.	1.2	4
140	Semiconductor type single wall carbon nanotube absorber for passive mode-locked Nd:YVO4 laser. Optik, 2012, 123, 1279-1281.	1.4	4
141	Transient lattice distortion induced by ultrashort heat pulse propagation through thin film metal/metal interface. Applied Physics Letters, 2013, 102, 051915.	1.5	4
142	A shutter design for time domain studies using synchrotron radiation at the Advanced Photon Source. Review of Scientific Instruments, 1992, 63, 1172-1175.	0.6	3
143	Resonance effects on superexchange and sequential electron-transfer reactions due to energy-level crossing. Chemical Physics, 1994, 189, 427-442.	0.9	3
144	Exploring fluorescence intermittency in enzyme reactions of single lipase molecules. Chemical Physics Letters, 2008, 458, 363-367.	1.2	3

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145	Photoinduced multimode coherent acoustic phonons of metallic nanoprisms and the effects of shape-induced anisotropic electronic stresses. <i>Journal of Chemical Physics</i> , 2011, 134, 184506.	1.2	3
146	Enhancement of the Purcell effect for colloidal CdSe/ZnS quantum dots coupled to silver nanowires by a metallic tip. <i>Applied Physics Letters</i> , 2012, 100, .	1.5	3
147	Plasma-induced unconventional shock waves on oil surfaces. <i>Scientific Reports</i> , 2018, 8, 17813.	1.6	3
148	Generation and Transport of Dielectric Droplets along Microchannels by Corona Discharge. <i>Micromachines</i> , 2020, 11, 181.	1.4	3
149	Observation and Control of Unidirectional Ballistic Dynamics of Nanoparticles at a Liquid-Gas Interface by 4D Electron Microscopy. <i>ACS Nano</i> , 2021, 15, 6801-6810.	7.3	3
150	Generalized Heisenberg commutation relations and uncertainty inequality for relativistic harmonic oscillators. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1996, 210, 33-39.	0.9	2
151	Unusually Large Exponent for the Inverse Power-Law Blinking of Single Chromophores. <i>Journal of Physical Chemistry C</i> , 2008, 112, 15665-15669.	1.5	2
152	Photoinduced ultrafast structural dynamics of nanomaterials. , 2009, , .		2
153	2-D modeling of dual-mode acoustic phonon excitation of a triangular nanoplate. <i>Chemical Physics</i> , 2010, 374, 126-130.	0.9	2
154	Applications of single-walled carbon nanotubes and type-II quantum dots in photovoltaics and passive mode-locking saturable absorbers. <i>Proceedings of SPIE</i> , 2012, , .	0.8	2
155	Saturable absorber at 940 nm using single wall carbon nanotubes deposited by vertical evaporation technique. <i>Optik</i> , 2012, 123, 348-351.	1.4	2
156	Sound Wave Propagation Anisotropy in Silver Nanoprisms: Characterization of Photoinduced Multiple Modes Using the Symmetric Molecular Dynamics Method. <i>Journal of Physical Chemistry C</i> , 2013, 117, 13697-13707.	1.5	2
157	Time-resolved X-ray diffraction studies of laser-induced acoustic wave propagation in bilayer metallic thin crystals. <i>Journal of Applied Physics</i> , 2014, 116, 093509.	1.1	2
158	Time-Domain Observation of Spectral Diffusion in Defective ZnO. <i>ACS Omega</i> , 2021, 6, 15442-15447.	1.6	2
159	Ultrafast dynamics of photoinduced terahertz electron-hole plasma waves in semiconductor junctions. <i>Physical Review B</i> , 2021, 104, .	1.1	2
160	Coherent Acoustic Phonon Excitation in Nanoprisms by a Femtosecond Impulse. <i>Journal of Scientific Conference Proceedings</i> , 2009, 1, 207-210.	0.1	2
161	Electron Spin Echo Study on Polyacetylene. <i>Molecular Crystals and Liquid Crystals</i> , 1985, 117, 463-467.	0.9	1
162	Electron spin echo study of iodine doped trans-polyacetylene. <i>Synthetic Metals</i> , 1987, 17, 215-220.	2.1	1

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163	Coherent states and squeezed states of massless and massive relativistic harmonic oscillators. Physics Letters, Section A: General, Atomic and Solid State Physics, 1996, 219, 33-40.	0.9	1
164	Half- and full-integer power law for distance fluctuations: Langevin dynamics in one- and two-dimensional systems. Chemical Physics, 2007, 331, 245-253.	0.9	1
165	Random on-off telegraphic signaling in single nanoparticles and molecules. Nano Reviews, 2010, 1, 5031.	3.7	1
166	Fabrication of aligned single wall carbon nanotube absorbers for high power passive mode-locked Nd:GdVO4 laser. Laser Physics, 2012, 22, 54-59.	0.6	1
167	Response to "Comment on "Jet propulsion by microwave air plasma in the atmosphere" [AIP Adv. 10, 055002 (2020)]. AIP Advances, 2020, 10, 099102.	0.6	1
168	A Simple and Stable Atmospheric Pressure Electrodeless Water Vapor Microwave Plasma Torch. Applied Sciences (Switzerland), 2022, 12, 6813.	1.3	1
169	EPR lineshape analysis of one-dimensional soliton diffusion in trans-polyacetylene. Journal of Physics and Chemistry of Solids, 1997, 58, 475-480.	1.9	0
170	Blocked Electron Transfer and Suppressed Blinking of Single CdSe/ZnS Quantum Dots in Agarose Gel. Journal of the Chinese Chemical Society, 2010, 57, 522-527.	0.8	0
171	Blinking suppression and anti-bunching of quantum dots as single-photon sources. , 2010, , .		0
172	Environmental effects on photoinduced electron transfer and fluorescence blinking of single semiconducting nanocrystals in various matrices. , 2010, , .		0
173	Pumping intensity dependent photoluminescence angular distribution from an opal photonic crystal composed of monodisperse $\text{Eu}^{3+}/\text{SiO}_2$ core/shell nanospheres. , 2012, , .		0
174	Optical properties and electron dynamics in carbon nanodots. , 2013, , .		0
175	Photon-induced Near-field Electron Microscopy of Eukaryotic Cells. Angewandte Chemie, 2017, 129, 11656-11659.	1.6	0
176	10.1063/5.0005814.1. , 2020, , .		0