

Jau Tang

List of Publications by Year in descending order

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176
papers

5,850
citations

93792

39
h-index

97045

71
g-index

178
all docs

178
docs citations

178
times ranked

6964
citing authors

#	ARTICLE	IF	CITATIONS
1	Research on the rapid combustion process of butane under microwave discharge. Scientific Reports, 2022, 12, 10.	1.6	10
2	A Simple and Stable Atmospheric Pressure Electrodeless Water Vapor Microwave Plasma Torch. Applied Sciences (Switzerland), 2022, 12, 6813.	1.3	1
3	Observation and Control of Unidirectional Ballistic Dynamics of Nanoparticles at a Liquid-Gas Interface by 4D Electron Microscopy. ACS Nano, 2021, 15, 6801-6810.	7.3	3
4	Time-Domain Observation of Spectral Diffusion in Defective ZnO. ACS Omega, 2021, 6, 15442-15447.	1.6	2
5	Ultrafast dynamics of photoinduced terahertz electron-hole plasma waves in semiconductor junctions. Physical Review B, 2021, 104, .	1.1	2
6	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
7	Jet propulsion by microwave air plasma in the atmosphere. AIP Advances, 2020, 10, .	0.6	9
8	Generation and Transport of Dielectric Droplets along Microchannels by Corona Discharge. Micromachines, 2020, 11, 181.	1.4	3
9	10.1063/5.0005814.1., 2020, , .		0
10	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
11	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
12	Directional motion of dielectric droplets on polymer-coated conductor driven by electric corona discharge. Applied Physics Letters, 2019, 114, .	1.5	6
13	Plasma-induced unconventional shock waves on oil surfaces. Scientific Reports, 2018, 8, 17813.	1.6	3
14	Imaging rotational dynamics of nanoparticles in liquid by 4D electron microscopy. Science, 2017, 355, 494-498.	6.0	74
15	Photoinduced nanobubble-driven superfast diffusion of nanoparticles imaged by 4D electron microscopy. Science Advances, 2017, 3, e1701160.	4.7	39
16	Photon-Induced Near-Field Electron Microscopy of Eukaryotic Cells. Angewandte Chemie - International Edition, 2017, 56, 11498-11501.	7.2	13
17	Photon-Induced Near-Field Electron Microscopy of Eukaryotic Cells. Angewandte Chemie, 2017, 129, 11656-11659.	1.6	0
18	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

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19	Hafnium nitride for hot carrier solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2016, 144, 781-786.	3.0	24
20	Observing in space and time the ephemeral nucleation of liquid-to-crystal phase transitions. <i>Nature Communications</i> , 2015, 6, 8639.	5.8	18
21	Four-dimensional imaging of carrier interface dynamics in p-n junctions. <i>Science</i> , 2015, 347, 164-167.	6.0	90
22	Fluorescent Metallic Nanoclusters: Electron Dynamics, Structure, and Applications. <i>Particle and Particle Systems Characterization</i> , 2015, 32, 142-163.	1.2	77
23	Dynamic study on the transformation process of gold nanoclusters. <i>Nanotechnology</i> , 2014, 25, 445705.	1.3	8
24	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
25	Efficient electron transfer in carbon nanodot@graphene oxide nanocomposites. <i>Journal of Materials Chemistry C</i> , 2014, 2, 2894.	2.7	87
26	Ultrafast electron transfer in the nanocomposite of the graphene oxide@Au nanocluster with graphene oxide as a donor. <i>Journal of Materials Chemistry C</i> , 2014, 2, 3826-3834.	2.7	82
27	Modification of Photon Emission Statistics from Single Colloidal CdSe Quantum Dots by Conductive Materials. <i>Journal of Physical Chemistry C</i> , 2014, 118, 18126-18132.	1.5	24
28	4D Imaging and Diffraction Dynamics of Single-Particle Phase Transition in Heterogeneous Ensembles. <i>Nano Letters</i> , 2014, 14, 946-954.	4.5	27
29	On the upconversion fluorescence in carbon nanodots and graphene quantum dots. <i>Chemical Communications</i> , 2014, 50, 4703-4706.	2.2	140
30	Massive Enhancement of Photoluminescence through Nanofilm Dewetting. <i>ACS Nano</i> , 2013, 7, 6658-6666.	7.3	35
31	Optical properties of gold particle-cluster core@satellite nanoassemblies. <i>RSC Advances</i> , 2013, 3, 19609.	1.7	13
32	Singlet and Triplet Carrier Dynamics in Rubrene Single Crystal. <i>Journal of Physical Chemistry C</i> , 2013, 117, 17741-17747.	1.5	22
33	Fluorescence origin and spectral broadening mechanism in atomically precise Au ₈ nanoclusters. <i>Nanoscale</i> , 2013, 5, 10251.	2.8	22
34	Induced pH-dependent shift by local surface plasmon resonance in functionalized gold nanorods. <i>Nanoscale Research Letters</i> , 2013, 8, 103.	3.1	12
35	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
36	Photoinduced Ultrafast Charge Separation in Plexcitonic CdSe/Au and CdSe/Pt Nanorods. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 3596-3601.	2.1	86

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37	Probing the photoluminescence properties of gold nanoclusters by fluorescence lifetime correlation spectroscopy. <i>Journal of Chemical Physics</i> , 2013, 139, 234311.	1.2	14
38	Optical properties and electron dynamics in carbon nanodots. , 2013, , .		0
39	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
40	The enhancement of electron-phonon coupling in glutathione-protected Au ₂₅ clusters. <i>Journal of Colloid and Interface Science</i> , 2013, 402, 86-89.	5.0	12
41	Quantum Confined Stark Effect in Au ₈ and Au ₂₅ Nanoclusters. <i>Journal of Physical Chemistry C</i> , 2013, 117, 3621-3626.	1.5	24
42	Intrinsic and Extrinsic Fluorescence in Carbon Nanodots: Ultrafast Time-Resolved Fluorescence and Carrier Dynamics. <i>Advanced Optical Materials</i> , 2013, 1, 173-178.	3.6	156
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	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
45	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
46	Transient lattice distortion induced by ultrashort heat pulse propagation through thin film metal/metal interface. <i>Applied Physics Letters</i> , 2013, 102, 051915.	1.5	4
47	Carrier dynamics in InN nanorod arrays. <i>Optics Express</i> , 2012, 20, 769.	1.7	19
48	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
49	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
50	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
51	Pumping intensity dependent photoluminescence angular distribution from an opal photonic crystal composed of monodisperse Eu ³⁺ & SiO ₂ core/shell nanospheres. , 2012, , .		0
52	Temperature-Dependent Fluorescence in Carbon Dots. <i>Journal of Physical Chemistry C</i> , 2012, 116, 25552-25557.	1.5	407
53	Studies of the photostability of CdSe/CdS dot-in-rod nanoparticles. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	14
54	Temperature dependent spectral properties of type-I and quasi type-II CdSe/CdS dot-in-rod nanocrystals. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 3505.	1.3	49

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55	Structure-Correlated Dual Fluorescent Bands in BSA-Protected Au ₂₅ Nanoclusters. Journal of Physical Chemistry C, 2012, 116, 11830-11836.	1.5	97
56	Fluorescence Dynamics in BSA-Protected Au ₂₅ Nanoclusters. Journal of Physical Chemistry C, 2012, 116, 19032-19038.	1.5	114
57	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
58	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
59	Applications of single-walled carbon nanotubes and type-II quantum dots in photovoltaics and passive mode-locking saturable absorbers. Proceedings of SPIE, 2012, , .	0.8	2
60	Temperature-Dependent Fluorescence in Au ₁₀ Nanoclusters. Journal of Physical Chemistry C, 2012, 116, 6567-6571.	1.5	78
61	Near-infrared enhanced carbon nanodots by thermally assisted growth. Applied Physics Letters, 2012, 101, .	1.5	33
62	Fabrication of aligned single wall carbon nanotube absorbers for high power passive mode-locked Nd:GdVO ₄ laser. Laser Physics, 2012, 22, 54-59.	0.6	1
63	Passively Q-Switched and mode-locked Nd:YVO ₄ laser with sandwich structured wallpaper graphene oxide absorber. Laser Physics, 2012, 22, 133-136.	0.6	7
64	Semiconductor type single wall carbon nanotube absorber for passive mode-locked Nd:YVO ₄ laser. Optik, 2012, 123, 1279-1281.	1.4	4
65	Saturable absorber at 940 nm using single wall carbon nanotubes deposited by vertical evaporation technique. Optik, 2012, 123, 348-351.	1.4	2
66	Wall paper single-walled carbon nanotubes absorber for passively mode-locked Nd: GdVO ₄ laser. Optics Communications, 2012, 285, 1891-1894.	1.0	7
67	Observation of Coalescence Process of Silver Nanospheres During Shape Transformation to Nanoprisms. Nanoscale Research Letters, 2011, 6, 46.	3.1	20
68	Observation of Inverted Regime Electron Transfer in CdSe/ZnS QDs from pH-Sensitive Single-Particle and Ensemble Fluorescence Measurements. Journal of Physical Chemistry C, 2011, 115, 13977-13984.	1.5	8
69	A highly efficient graphene oxide absorber for Q-switched Nd:GdVO ₄ lasers. Nanotechnology, 2011, 22, 455203.	1.3	77
70	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
71	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
72	Diode-pumped passively Q-switched and Q-switch mode-locked Nd:YVO ₄ laser using single-wall carbon nanotube based saturable absorber. Laser Physics, 2011, 21, 867-872.	0.6	13

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73	Fabrication and characterization of double-wall carbon nanotube absorber for passive mode-locked Nd:GdVO ₄ laser. <i>Laser Physics</i> , 2011, 21, 1689-1693.	0.6	10
74	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
75	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
76	Modification of spontaneous emission rates in single colloidal CdSe/ZnS quantum dots by a submicron-sized dielectric disk. <i>Applied Physics Letters</i> , 2011, 99, 053116.	1.5	5
77	Time-resolved structural dynamics of thin metal films heated with femtosecond optical pulses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 18887-18892.	3.3	69
78	Efficient diode-pumped Yb:LuYSiO ₅ laser mode locked by single-walled carbon nanotube absorber. <i>Optical Engineering</i> , 2011, 50, 114202.	0.5	12
79	Probing and controlling fluorescence blinking of single semiconductor nanoparticles. <i>Nano Reviews</i> , 2011, 2, 5895.	3.7	11
80	Blocked Electron Transfer and Suppressed Blinking of Single CdSe/ZnS Quantum Dots in Agarose Gel. <i>Journal of the Chinese Chemical Society</i> , 2010, 57, 522-527.	0.8	0
81	2-D modeling of dual-mode acoustic phonon excitation of a triangular nanoplate. <i>Chemical Physics</i> , 2010, 374, 126-130.	0.9	2
82	Blinking suppression and anti-bunching of quantum dots as single-photon sources. , 2010, , .		0
83	Random on/off telegraphic signaling in single nanoparticles and molecules. <i>Nano Reviews</i> , 2010, 1, 5031.	3.7	1
84	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
85	Blinking suppression of single quantum dots in agarose gel. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	23
86	Environmental effects on photoinduced electron transfer and fluorescence blinking of single semiconducting nanocrystals in various matrices. , 2010, , .		0
87	Selective acoustic phonon mode excitation of multi-mode silver nanoprisms. <i>Chemical Physics Letters</i> , 2010, 496, 326-329.	1.2	4
88	Recombination dynamics of photoluminescence in thiol-protected gold nanoclusters. <i>Applied Physics Letters</i> , 2009, 95, 261911.	1.5	10
89	Blinking suppression of colloidal CdSe/ZnS quantum dots by coupling to silver nanoprisms. <i>Applied Physics Letters</i> , 2009, 94, 243108.	1.5	33
90	Influence of bin time and excitation intensity on fluorescence lifetime distribution and blinking statistics of single quantum dots. <i>Applied Physics Letters</i> , 2009, 95, .	1.5	13

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91	Short-time power-law blinking statistics of single quantum dots and a test of the diffusion-controlled electron transfer model. <i>Journal of Chemical Physics</i> , 2009, 131, 064506.	1.2	5
92	Antibunching Single-Photon Emission and Blinking Suppression of CdSe/ZnS Quantum Dots. <i>ACS Nano</i> , 2009, 3, 3051-3056.	7.3	66
93	Laser-Fluence Dependence of Acoustic Phonon Excitation in Metallic Thin Films and Determination of the Gr $\frac{1}{4}$ neisen Parameter. <i>Journal of Physical Chemistry C</i> , 2009, 113, 15014-15017.	1.5	4
94	Single fluorescent gold nanoclusters. <i>Optics Express</i> , 2009, 17, 16111.	1.7	25
95	Photoinduced ultrafast structural dynamics of nanomaterials. , 2009, , .		2
96	Coherent Acoustic Phonon Excitation in Nanoprisms by a Femtosecond Impulse. <i>Journal of Scientific Conference Proceedings</i> , 2009, 1, 207-210.	0.1	2
97	Exploring fluorescence intermittency in enzyme reactions of single lipase molecules. <i>Chemical Physics Letters</i> , 2008, 458, 363-367.	1.2	3
98	Fluctuating reaction rate and non-exponential blinking statistics in single-enzyme kinetics. <i>Chemical Physics Letters</i> , 2008, 463, 134-138.	1.2	4
99	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
100	Nanoscale heat transfer in a thin aluminum film and femtosecond time-resolved electron diffraction. <i>Applied Physics Letters</i> , 2008, 92, .	1.5	14
101	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
102	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
103	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
104	Influences of light intensity on fluorescence lifetime of nanorods and quantum dots. <i>Applied Physics Letters</i> , 2008, 93, 223110.	1.5	14
105	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
106	Ultrafast Electron Microscopy (UEM):â€™ Four-Dimensional Imaging and Diffraction of Nanostructures during Phase Transitions. <i>Nano Letters</i> , 2007, 7, 2552-2558.	4.5	59
107	Size Effects and Breakdown of the Power-Law Blinking Statistics of CdSe Nanorods. <i>Journal of Physical Chemistry A</i> , 2007, 111, 9336-9339.	1.1	11
108	Ultrafast Electron Crystallography. 3. Theoretical Modeling of Structural Dynamicsâ€™. <i>Journal of Physical Chemistry C</i> , 2007, 111, 8957-8970.	1.5	19

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109	Half- and full-integer power law for distance fluctuations: Langevin dynamics in one- and two-dimensional systems. <i>Chemical Physics</i> , 2007, 331, 245-253.	0.9	1
110	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
111	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
112	Determination of energetics and kinetics from single-particle intermittency and ensemble-averaged fluorescence intensity decay of quantum dots. <i>Journal of Chemical Physics</i> , 2006, 125, 044703.	1.2	47
113	Chain dynamics and power-law distance fluctuations of single-molecule systems. <i>Physical Review E</i> , 2006, 73, 022102.	0.8	41
114	Distance versus energy fluctuations and electron transfer in single protein molecules. <i>Physical Review E</i> , 2006, 73, 061108.	0.8	19
115	Mechanisms of fluorescence blinking in semiconductor nanocrystal quantum dots. <i>Journal of Chemical Physics</i> , 2005, 123, 054704.	1.2	215
116	Diffusion-Controlled Electron Transfer Processes and Power-Law Statistics of Fluorescence Intermittency of Nanoparticles. <i>Physical Review Letters</i> , 2005, 95, 107401.	2.9	191
117	Single particle versus ensemble average: From power-law intermittency of a single quantum dot to quasistretched exponential fluorescence decay of an ensemble. <i>Journal of Chemical Physics</i> , 2005, 123, 204511.	1.2	65
118	Effects of the Duschinsky mode-mixing mechanism on temperature dependence of electron transfer processes. <i>Journal of Chemical Physics</i> , 2003, 119, 7188-7196.	1.2	76
119	The channel capacity of a multispan DWDM system employing dispersive nonlinear optical fibers and an ideal coherent optical receiver. <i>Journal of Lightwave Technology</i> , 2002, 20, 1095-1101.	2.7	76
120	The Shannon channel capacity of dispersion-free nonlinear optical fiber transmission. <i>Journal of Lightwave Technology</i> , 2001, 19, 1104-1109.	2.7	78
121	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
122	Structure of the π Radical Pair Intermediate in Photosystem I by High Time Resolution Multifrequency Electron Paramagnetic Resonance: Analysis of Quantum Beat Oscillations. <i>Journal of the American Chemical Society</i> , 2001, 123, 4211-4222.	6.6	45
123	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
124	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
125	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
126	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

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127	Influence of Iron-Removal Procedures on Sequential Electron Transfer in Photosynthetic Bacterial Reaction Centers Studied by Transient EPR Spectroscopy. <i>Biochemistry</i> , 1997, 36, 8548-8558.	1.2	69
128	Quantum-tunneling versus thermally activated electron transfer in ohmic and non-ohmic heat baths. <i>Journal of Chemical Physics</i> , 1997, 107, 3485-3491.	1.2	12
129	EPR lineshape analysis of one-dimensional soliton diffusion in trans-polyacetylene. <i>Journal of Physics and Chemistry of Solids</i> , 1997, 58, 475-480.	1.9	0
130	Coherent states and squeezed states of massless and massive relativistic harmonic oscillators. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1996, 219, 33-40.	0.9	1
131	Effects of sequential electron transfer on electron spin polarized transient EPR spectra at high fields. <i>Chemical Physics Letters</i> , 1996, 253, 293-298.	1.2	25
132	Oscillations and non-exponential decays in electron-transfer reactions. <i>Chemical Physics Letters</i> , 1996, 254, 6-12.	1.2	15
133	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
134	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
135	Multiple-quantum EPR coherence in a spin-correlated radical pair system. <i>Chemical Physics Letters</i> , 1995, 233, 192-200.	1.2	36
136	Electron Spin Polarization Model Applied to Sequential Electron Transfer in Iron-Containing Photosynthetic Bacterial Reaction Centers with Different Quinones as QA. <i>The Journal of Physical Chemistry</i> , 1995, 99, 3854-3866.	2.9	55
137	Electron spin resonance line shapes for one- and two-dimensional random walk processes. <i>Journal of Chemical Physics</i> , 1995, 103, 2873-2881.	1.2	25
138	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
139	Electron-transfer reactions involving non-linear spin-boson interactions. <i>Chemical Physics</i> , 1994, 188, 143-160.	0.9	26
140	Resonance effects on superexchange and sequential electron-transfer reactions due to energy-level crossing. <i>Chemical Physics</i> , 1994, 189, 427-442.	0.9	3
141	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
142	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
143	The effects of anharmonicity on electron-transfer reactions. <i>Chemical Physics</i> , 1994, 179, 105-114.	0.9	14
144	Sequential and superexchange electron-transfer reactions in a three-component system. <i>Chemical Physics</i> , 1994, 184, 39-50.	0.9	5

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145	On superexchange electron-transfer coupling for a three-component system. <i>Chemical Physics</i> , 1993, 175, 337-342.	0.9	7
146	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
147	Effects of a fluctuating electronic coupling matrix element on electron transfer rate. <i>Journal of Chemical Physics</i> , 1993, 98, 6263-6266.	1.2	52
148	The general treatment of superexchange versus sequential electron transfer in a three-component system. <i>Journal of Chemical Physics</i> , 1993, 99, 979-984.	1.2	21
149	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
150	A shutter design for time domain studies using synchrotron radiation at the Advanced Photon Source. <i>Review of Scientific Instruments</i> , 1992, 63, 1172-1175.	0.6	3
151	The time development of the magnetic moment of correlated radical pairs. <i>Journal of Magnetic Resonance</i> , 1992, 97, 322-334.	0.5	5
152	A general model of electron spin polarization arising from the interactions within radical pairs. <i>Journal of Chemical Physics</i> , 1990, 92, 4239-4249.	1.2	145
153	Singlet photochemistry in model photosynthesis: identification of charge separated intermediates by Fourier transform and CW-EPR spectroscopies. <i>Journal of the American Chemical Society</i> , 1990, 112, 6477-6481.	6.6	76
154	Fourier-transform and continuous-wave EPR studies of nickel in synthetic diamond: Site and spin multiplicity. <i>Physical Review B</i> , 1990, 41, 3905-3913.	1.1	222
155	Enhanced spectral resolution in 2D NMR signal analysis using linear prediction extrapolation and apodization. <i>Journal of Magnetic Resonance</i> , 1989, 83, 473-483.	0.5	5
156	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
157	Padé approximation and linear prediction methods. <i>Nature</i> , 1988, 333, 216-216.	13.7	5
158	Deconvolution of kinetic decays and fitting of multiple exponential decay curves by the linear prediction method. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1988, 273, 338-342.	0.7	4
159	LP-ZOOM, a linear prediction method for local spectral analysis of NMR signals. <i>Journal of Magnetic Resonance</i> , 1988, 79, 190-196.	0.5	22
160	Electron spin echo study of iodine doped trans-polyacetylene. <i>Synthetic Metals</i> , 1987, 17, 215-220.	2.1	1
161	Temperature dependent electron spin echo studies of polarons in donor- and acceptor-doped poly(p-phenylene): Structural studies. <i>Synthetic Metals</i> , 1987, 17, 617-622.	2.1	12
162	Structure of <i>Rhodospseudomonas sphaeroides</i> R-26 reaction center. <i>FEBS Letters</i> , 1986, 205, 82-86.	1.3	524

#	ARTICLE	IF	CITATIONS
163	LPZ spectral analysis using linear prediction and the z-transform. Journal of Chemical Physics, 1986, 84, 5210-5211.	1.2	42
164	Spectral analysis using linear prediction z-transform and autoregression. Chemical Physics Letters, 1986, 131, 252-255.	1.2	23
165	Two-dimensional LPZ spectral analysis with improved resolution and sensitivity. Journal of Magnetic Resonance, 1986, 69, 180-186.	0.5	21
166	An alternative to fourier transform spectral analysis with improved resolution. Journal of Magnetic Resonance, 1985, 62, 167-171.	0.5	41
167	Electron Spin Echo Study on Polyacetylene. Molecular Crystals and Liquid Crystals, 1985, 117, 463-467.	0.9	1
168	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
169	Theoretical calculations of microwave effects on the triplet yield in photosynthetic reaction centers. Chemical Physics Letters, 1983, 94, 77-80.	1.2	28
170	Time-domain analysis of EPR measurements of polyacetylene and soliton diffusion. Physical Review B, 1983, 28, 2845-2847.	1.1	21
171	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
172	Theoretical calculations of kinetics of the radical pair PF state in bacterial photosynthesis. Chemical Physics Letters, 1982, 92, 136-140.	1.2	41
173	Anisotropic spin-lattice relaxation of deuterated hexamethylbenzene. Journal of Magnetic Resonance, 1980, 41, 389-394.	0.5	9
174	Multiple quantum NMR and relaxation of an oriented CH ₃ group. Journal of Chemical Physics, 1980, 72, 3290-3297.	1.2	42
175	Multiple quantum NMR study of correlation of two methyl groups. Journal of Chemical Physics, 1980, 73, 2512-2513.	1.2	17
176	Spin-lattice relaxation of reorienting or tunneling deuterated methyl groups. Journal of Chemical Physics, 1980, 73, 172-175.	1.2	12