K Razi Naqvi

List of Publications by Year
in descending order

154	2,802	218677	243625
papers	citations	26 h-index	44 g-index

155	155	155	2091
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Light absorption by anthocyanins in juvenile, stressed, and senescing leaves. Journal of Experimental Botany, 2008, 59, 3903-3911.	4.8	188
2	Diffusion-controlled reactions in two-dimensional fluids: discussion of measurements of lateral diffusion of lipids in biological membranes. Chemical Physics Letters, 1974, 28, 280-284.	2.6	109
3	Effect of anthocyanins, carotenoids, and flavonols on chlorophyll fluorescence excitation spectra in apple fruit: signature analysis, assessment, modelling, and relevance to photoprotection. Journal of Experimental Botany, 2008, 59, 349-359.	4.8	93
4	Spectroscopic Technique for Studying Protein Rotation in Membranes. Nature: New Biology, 1973, 245, 249-251.	4.5	92
5	Does a leaf absorb radiation in the near infrared (780-900 nm) region? A new approach to quantifying optical reflection, absorption and transmission of leaves. Photosynthesis Research, 2002, 72, 263-270.	2.9	76
6	THE MECHANISM OF SINGLETâ€SINGLET EXCITATION ENERGY TRANSFER FROM CAROTENOIDS TO CHLOROPHYLL. Photochemistry and Photobiology, 1980, 31, 523-524.	2.5	74
7	On recording the true absorption spectrum and the scattering spectrum of a turbid sample: application to cell suspensions of the cyanobacterium Anabaena variabilis. Journal of Photochemistry and Photobiology B: Biology, 2000, 58, 123-129.	3.8	74
8	The influence of molecular geometry on the fluorescence spectra of biphenyl and the polyphenyls. Chemical Physics Letters, 1975, 34, 285-288.	2.6	66
9	Reduction of the Fokker-Planck Equation with an Absorbing or Reflecting Boundary to the Diffusion Equation and the Radiation Boundary Condition. Physical Review Letters, 1982, 49, 304-307.	7.8	62
10	Absorption and scattering of light by suspensions of cells and subcellular particles: an analysis in terms of Kramersâ€“Kronig relations. Photochemical and Photobiological Sciences, 2004, 3, 132-137.	2.9	58
11	The overlap integrals of two harmonic-oscillator wavefunctions: some remarks on originals and reproductions. Chemical Physics Letters, 1982, 85, 581-584.	2.6	52
12	Estimation of diffusive boundary layer thickness in studies involving diffusive gradients in thin films (DGT). Analytical and Bioanalytical Chemistry, 2006, 386, 2233-2237.	3.7	51
13	Light absorption by isolated chloroplasts and leaves: effects of scattering and â€˜packingâ€™. Photosynthesis Research, 2009, 102, 31-41.	2.9	51
14	Methods for probing lateral diffusion of membrane components: tripletâ€”triplet annihilation and tripletâ€”triplet energy transfer. Chemical Physics Letters, 1974, 26, 440-444.	2.6	50
15	Estimation of leaf transmittance in the near infrared region through reflectance measurements. Journal of Photochemistry and Photobiology B: Biology, 2004, 74, 145-150.	3.8	50
16	Electronic transitions in the isoalloxazine ring and orientation of flavins in model membranes studied by polarized light spectroscopy. Biochemistry, 1979, 18, 4249-4253.	2.5	49
17	The non-crossing rule in molecular quantum mechanics. International Journal of Quantum Chemistry, 1972, 6, 271-279.	2.0	48
18	Room temperature fluorescence of the diphenyl ketyl radical. Chemical Physics Letters, 1976, 41, 570-574.	2.6	44

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19	Diffusion-controlled reaction kinetics. Equivalence of the particle pair approach of Noyes and the concentration gradient approach of Collins and Kimball. The Journal of Physical Chemistry, 1980, 84, 1315-1319.	2.9	40
20	Electronic energy transfer involving carotenoid pigments in chlorosomes of two green bacteria: Chlorobium tepidum and Chloroflexus aurantiacus. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2000, 56, 2001-2010.	3.9	40
21	Hydrophilic Carotenoids: Surface Properties and Aggregation of Crocin as a Biosurfactant. Helvetica Chimica Acta, 2006, 89, 45-53.	1.6	37
22	Quantitative spectrophotometry using integrating cavities. Journal of Photochemistry and Photobiology B: Biology, 2006, 82, 127-131.	3.8	35
23	Hydrogen abstraction by triplet flavins. I: time-resolved multi-channel absorption spectra of flash-irradiated riboflavin solutions in water. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 1999, 55, 2299-2307.	3.9	34
24	Triplet-doublet electronic energy transfer from benzophenone to the ketyl radical: viscosity and magnetic field effects. Chemical Physics Letters, 1977, 49, 160-164.	2.6	29
25	Light absorption and scattering by cell suspensions of some cyanobacteria and microalgae. Russian Journal of Plant Physiology, 2008, 55, 420-425.	1.1	28
26	On the non-crossing rule for potential energy surfaces of polyatomic molecules. Chemical Physics Letters, 1972, 15, 634-636.	2.6	27
27	Temporal profile of the singlet oxygen emission endogenously produced by photosystem II reaction centre in an aqueous buffer. Photosynthesis Research, 2012, 112, 75-79.	2.9	27
28	Exact analytic formula for calculating Franckâ€“Condon factors using the Kratzer potential. Journal of Chemical Physics, 1987, 87, 3563-3568.	3.0	26
29	Assaying the chromophore composition of photosynthetic systems by spectral reconstruction: application to the light-harvesting complex (LHC II) and the total pigment content of higher plants. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 1997, 53, 2229-2234.	3.9	26
30	Formation and geminate quenching of singlet oxygen in purple bacterial reaction center. Journal of Photochemistry and Photobiology B: Biology, 2007, 87, 105-112.	3.8	26
31	Unification of the methods of Onsager and Monchick for calculating the probabilities of various fates in diffusionâ€controlled reactions, with applications to diffusion in space and in a plane. Journal of Chemical Physics, 1979, 71, 73-80.	3.0	25
32	Hydrophilic carotenoids: surface properties and aggregation behavior of a highly unsaturated carotenoid lysophospholipid. Chemistry and Physics of Lipids, 2005, 134, 85-96.	3.2	25
33	Polarity-Tuned Energy Transfer Efficiency in Artificial Light-Harvesting Antennae Containing Carbonyl Carotenoids Peridinin and Fucoxanthin. Journal of Physical Chemistry C, 2007, 111, 467-476.	3.1	25
34	Nanosecond Laser Photolysis Studies of Chlorosomes and Artificial Aggregates Containing Bacteriochlorophyll e: Evidence for the Proximity of Carotenoids and Bacteriochlorophyll a in Chlorosomes from Chlorobium phaeobacteroides strain CL1401Â¶. Photochemistry and Photobiology, 2000, 72, 669.	2.5	24
35	Hydrophilic carotenoids: surface properties and aqueous aggregation of a rigid, long-chain, highly unsaturated dianionic bolaamphiphile with a carotenoid spacer. Chemistry and Physics of Lipids, 2005, 135, 157-167.	3.2	23
36	Isosbestic points in emission spectra. Chemical Physics Letters, 1968, 2, 374-378.	2.6	22

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37	Estimation of Pigment Stoichiometries in Photosynthetic Systems of Purple Bacteria: Special Reference to the (Absence of) Second Carotenoid in LH2. Photochemistry and Photobiology, 1998, 68, 84-87.	2.5	22
38	Recipes for Analyzing Diffusion-Controlled Reactions in Two Dimensions:â€‰ Time-Resolved and Steady-State Measurements. Journal of Physical Chemistry B, 2000, 104, 12035-12038.	2.6	22
39	Brownian Motion Description of Heat Conduction by Phonons. Physical Review Letters, 2005, 95, 065901.	7.8	22
40	Intermolecular quenching of the second excited state of some aromatic molecules. Chemical Physics Letters, 1969, 4, 35-38.	2.6	21
41	Viscosity dependence of the fluorescence lifetimes of cryptocyanine, pinacyanol and DDI. Chemical Physics Letters, 1979, 63, 128-132.	2.6	21
42	Protein structure probed by polarization spectroscopy. Biophysical Chemistry, 1987, 26, 63-70.	2.8	21
43	Exchange-induced resonance energy transfer. Chemical Physics Letters, 1970, 6, 29-32.	2.6	20
44	On the rate of absorption of Brownian particles by a black sphere: The connection between the Fokkerâ€“Planck equation and the diffusion equation. Journal of Chemical Physics, 1983, 78, 2710-2712.	3.0	20
45	Photophysical characteristics of two model antenna systems: a fucoxanthinâ€“pyropheoporbide dyad and its peridinin analogue. Chemical Physics Letters, 1999, 313, 499-504.	2.6	20
46	Ultrafast dynamics of hydrophilic carbonyl carotenoids â€“ Relation between structure and excited-state properties in polar solvents. Chemical Physics, 2010, 373, 56-64.	1.9	20
47	Magnetic field effects on spin-rephasing in a photochemically produced radical pair investigated by a double-pulse technique using a nitrogen laser. Chemical Physics Letters, 1977, 50, 386-388.	2.6	19
48	Reinvestigation of the triplet-minus-singlet spectrum of chloroplasts. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2000, 56, 211-214.	3.9	18
49	Calculation of tripletâ€“triplet energy transfer rates from emission and absorption spectra. The quenching of hemicarcerated triplet biacetyl by aromatic hydrocarbons. Photochemical and Photobiological Sciences, 2003, 2, 616-623.	2.9	17
50	Photochemical and photophysical behaviour of vitamin E: interaction of its long-lived transient photoproducts with carotenoids. Photochemical and Photobiological Sciences, 2003, 2, 381-385.	2.9	16
51	Trolox, a Water-Soluble Analogue of Î±-Tocopherol, Photoprotects the Surface-Exposed Regions of the Photosystem II Reaction Center in Vitro. Is This Physiologically Relevant?. Biochemistry, 2011, 50, 8291-8301.	2.5	16
52	Triplets, radical cations and neutral semiquinone radicals of lumiflavin and riboflavin: An overhaul of previous pumpâ€“probe data and new multichannel absolute absorption spectra. Journal of Photochemistry and Photobiology B: Biology, 2012, 106, 34-39.	3.8	16
53	Instrument for time-resolved phosphorimetry using an electronically gated photomultiplier. Analytical Chemistry, 1973, 45, 1581-1584.	6.5	15
54	Spin selection rules concerning intermolecular energy transfer. Energy-transfer studies using doublet-state acceptors. Comments. The Journal of Physical Chemistry, 1981, 85, 2303-2304.	2.9	15

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55	Pigmentâ€“pigment interactions in thylakoids and LHCII of chlorophyll a/c containing alga Pleurochloris meiringensis: analysis of fluorescence-excitation and triplet-minus-singlet spectra. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 1998, 54, 719-726.	3.9	15
56	Expeditious implementation of two new methods for analysing the pigment composition of photosynthetic specimens. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2004, 60, 2783-2791.	3.9	15
57	Reduction of tetranitromethane by electronically excited aromatics in acetonitrile: Spectra and molar absorption coefficients of radical cations of anthracene, phenanthrene and pyrene. Chemical Physics Letters, 2006, 428, 83-87.	2.6	15
58	Fiber Optic Spectrophotometer for Noninvasive Transmission and Diffuse Reflection Studies. Spectroscopy Letters, 1986, 19, 149-165.	1.0	14
59	A new look at fluorescence depolarization and the dynamics of anisotropic rotational diffusion. Chemical Physics Letters, 1987, 136, 407-412.	2.6	14
60	Conformation of human fibrinogen in solution from polarized triplet spectroscopy. Biochemistry, 1992, 31, 7580-7586.	2.5	14
61	Milne's problem for a non-capturing medium: Accurate analytic approximations for particle density and emergent angular distribution. Journal of Quantitative Spectroscopy and Radiative Transfer, 1993, 50, 59-64.	2.3	14
62	Inverted Region in Intermolecular Electronic Energy Transfer. Spectroscopy Letters, 1993, 26, 1761-1769.	1.0	14
63	Kinetics of Two-Dimensional Diffusion-Controlled Reactions:Â A Monte Carlo Simulation of Hard-Disk Reactants Undergoing a Pearson-Type Random Walk. Journal of Physical Chemistry B, 2000, 104, 4986-4991.	2.6	14
64	The mechanism of P-type delayed fluorescence from fluid solutions. Chemical Physics Letters, 1968, 1, 561-562.	2.6	13
65	Slow internal conversion between two close lying singlet states in a large molecule: azuleno[5,6,7-cd]phenalene. Chemical Physics Letters, 1977, 46, 473-476.	2.6	13
66	Hydrophilic carotenoids: surface properties and aggregation of an astaxanthin-lysine conjugate, a rigid, long-chain, highly unsaturated and highly water-soluble tetracationic bolaamphiphile. Chemistry and Physics of Lipids, 2007, 148, 63-69.	3.2	13
67	Bacteriochlorophyll e Monomers, but Not Aggregates, Sensitize Singlet Oxygen: Implications for a Self-photoprotection Mechanism in ChlorosomesÂ¶. Photochemistry and Photobiology, 2002, 76, 373.	2.5	13
68	P-type delayed fluorescence from rigid solutions. Chemical Physics Letters, 1967, 1, 497-498.	2.6	12
69	Photoselection in uniaxial liquid crystals: The advantages of using saturating light pulses for the determination of orientational order. Journal of Chemical Physics, 1981, 74, 2658-2659.	3.0	12
70	Milne problem for a hard-sphere Rayleigh gas: A study based on the Fokker-Planck equation. Physical Review A, 1983, 28, 1659-1661.	2.5	12
71	Spectroscopic Characterization of Neutral and Cation Radicals of Î±-Tocopherol and Related Molecules: A Satisfactory Denouement. Journal of Physical Chemistry A, 2010, 114, 10795-10802.	2.5	12
72	Multichannel flash spectroscopy of the reaction centers of wild-type and mutant Rhodobacter sphaeroides: bacteriochlorophyllB-mediated interaction between the carotenoid triplet and the special pair. Photochemistry and Photobiology, 2004, 79, 68-75.	2.5	12

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73	Measurements of sub-nanosecond lifetimes by means of nanosecond laser pulses. Chemical Physics Letters, 1973, 22, 5-9.	2.6	11
74	Symmetric random walk on a regular lattice with an elastic barrier: diffusion equation and the boundary condition. Chemical Physics Letters, 1982, 92, 160-164.	2.6	11
75	Differential method in chemical kinetics. The Journal of Physical Chemistry, 1991, 95, 10713-10718.	2.9	11
76	Fractional revival of wave packets in an infinite square well: a Fourier perspective. European Journal of Physics, 2001, 22, 395-402.	0.6	11
77	Fluorescence and phosphorescence of tryptophan in peptides of different length and sequence. Journal of Photochemistry and Photobiology B: Biology, 2016, 157, 120-128.	3.8	11
78	On the long-lived transient absorption observed in nanosecond laser photolysis studies of two polymethine cyanine dyes. Chemical Physics Letters, 1973, 22, 226-229.	2.6	10
79	Comment on â€˜â€˜Approximate formulas for Franckâ€“Condon factorsâ€™â€™. Journal of Chemical Physics, 1982, 77, 1613-1614.	3.0	10
80	Kinetics of diffusion-mediated bimolecular reactions. A new theoretical framework. The Journal of Physical Chemistry, 1982, 86, 4750-4756.	2.9	10
81	Kinetic and spectroscopic study of triplet state and ionic pathways in the laser-induced photoexcitation of N-ethylcarbazole in fluid solutions. The Journal of Physical Chemistry, 1991, 95, 7588-7594.	2.9	10
82	Variational approach to the Milne problem with a gray boundary. Physical Review A, 1991, 44, 994-998.	2.5	10
83	Alternative to the Pomraning-Eddington approach to radiative transfer. Physical Review A, 1992, 46, 4697-4703.	2.5	10
84	Revival, Mirror Revival and Collapse may Occur even in a Harmonic Oscillator Wave Packet. Physica Scripta, 2000, 62, 12-16.	2.5	10
85	Ultrafast decay of anisotropy due to electronic decoherence in systems with twofold or threefold degeneracy. Chemical Physics Letters, 2002, 357, 147-152.	2.6	10
86	Facile method for spectroscopic examination of radical ions of hydrophilic carotenoids. Physical Chemistry Chemical Physics, 2009, 11, 6401.	2.8	10
87	Comment on "The noncrossing rule and spurious avoided crossings". Physical Review A, 1977, 15, 1807-1809.	2.5	9
88	On describing the steady absorption of brownian particles by a restricted random walk. Chemical Physics Letters, 1982, 92, 156-159.	2.6	9
89	Thirteen-moment solution of the steady-state fokkerâ€”planck equation for Brownian motion in a homogeneous medium occupying the region bounded internally by an absorbing sphere. Journal of Colloid and Interface Science, 1984, 98, 103-111.	9.4	9
90	The Force Exerted by the Walls of an Infinite Square Well on a Wave Packet: Ehrenfest Theorem, Revivals and Fractional Revivals. Physica Scripta, 2003, 68, 45-53.	2.5	9

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91	Energy transfer in organic systems: IV. Diffusion, solvent excitation migration and quenching inp-xylene solutions. Proceedings of the Physical Society, 1967, 91, 449-458.	1.6	8
92	On the mechanism of excimer formation in tripletâ€"triplet annihilation. Chemical Physics Letters, 1978, 57, 197-201.	2.6	8
93	Photoselection in uniaxial liquid crystals: The effect of rotational Brownian motion on measurements of orientational distribution function. Journal of Chemical Physics, 1980, 73, 3019-3020.	3.0	8
94	Transient radiative heat transfer through thin films using Laguerreâ€"Galerkin method. Journal Physics D: Applied Physics, 2003, 36, 3014-3026.	2.8	8
95	Singlet oxygen quenching by thione analogues of canthaxanthin, echinenone and rhodoxanthin. Journal of Photochemistry and Photobiology B: Biology, 2006, 84, 135-140.	3.8	8
96	Comparison of the Photochemical Behaviors of Î±-Tocopherol and its Acetate in Organic and Aqueous Micellar Solutions. Journal of Physical Chemistry A, 2011, 115, 8242-8247.	2.5	8
97	The use of E-type delayed fluorescence for probing rotational relaxation. Chemical Physics Letters, 1975, 36, 222-224.	2.6	7
98	A simple, accurate alternative to the minimumâ€deviation method for the determination of the refractive index of a prism. American Journal of Physics, 1978, 46, 1009-1011.	0.7	7
99	Evaluation of a squirrelâ€cage photomultiplier base for timeâ€resolved spectroscopy with lowâ€repetition rate pulses. Review of Scientific Instruments, 1992, 63, 5806-5807.	1.3	7
100	A neglected aspect of the pulsating Gaussian wave packet. European Journal of Physics, 1999, 20, L41-L43.	0.6	7
101	Reappraisal of four different approaches for finding the mean reaction time in the multi-trap variant of the Adamâ€"DelbrÃ¼ck problem. Journal of Chemical Physics, 2004, 120, 9390-9393.	3.0	7
102	The inter-monomer interface of the major light-harvesting chlorophyll a/b complexes of photosystem II (LHCII) influences the chlorophyll triplet distribution. Journal of Plant Physiology, 2014, 171, 42-48.	3.5	7
103	Carotenoid-Induced Electronic Relaxation of the First Excited State of Antenna Chlorophylls. , 1998, , 265-270.		7
104	Putting together a researchâ€grade laser refractometer in a teaching laboratory. American Journal of Physics, 1986, 54, 637-639.	0.7	6
105	Micro and nanosecond detection of biomolecular dynamics by polarized luminescence. Pure and Applied Chemistry, 1992, 64, 1211-1217.	1.9	6
106	Model for Conformational Relaxation of Flexible Conjugated Polymers: Application to pâ€Phenylenevinylene Trimers in Nonpolar Solvents. ChemPhysChem, 2013, 14, 583-590.	2.1	6
107	Multichannel Flash Spectroscopy of the Reaction Centers of Wild-type and Mutant Rhodobacter sphaeroides: BacteriochlorophyllB-mediated Interaction Between the Carotenoid Triplet and the Special Pairâ€Â¶. Photochemistry and Photobiology, 2004, 79, 68.	2.5	6
108	Reactions kinetics of phosphorescence and delayed fluorescence: calculation of the phosphorimeter factor and quantum efficiencies. Chemical Physics Letters, 1970, 5, 171-175.	2.6	5

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109	Steady-state, one-dimensional Fokker-Planck equation with an absorbing boundary: A half-range treatment. Physical Review A, 1989, 40, 3405-3407.	2.5	5
110	In SituMeasurement of Excitation Intensity for Fluorescence Excitation Spectroscopy. Spectroscopy Letters, 1998, 31, 147-155.	1.0	5
111	Comment on â€œAnisotropy in the transient absorption change of a molecular system with two-dimensionally degenerate transitionsâ€• Physical Review A, 1998, 58, 3360-3361.	2.5	5
112	Reaction Center of Photosystem II with No Peripheral Pigments in D2 Allows Secondary Electron Transfer in D1. Biochemistry, 2007, 46, 15027-15032.	2.5	5
113	Kinetic studies of retinol addition radicals. Organic and Biomolecular Chemistry, 2011, 9, 1459.	2.8	5
114	Screening hypochromism (sieve effect) in red blood cells: a quantitative analysis. Biomedical Optics Express, 2014, 5, 1290.	2.9	5
115	On the delayed fluorescence of pyrene in viscous solutions. Chemical Physics Letters, 1970, 5, 288-290.	2.6	4
116	Recent Advances in Instrumentation for the Study of Electronic Emission Spectra. Applied Spectroscopy Reviews, 1976, 12, 131-158.	6.7	4
117	Transient Ions and Triplet States in Polymers Containing Phenanthrene. The Journal of Physical Chemistry, 1994, 98, 10756-10761.	2.9	4
118	Multichannel Flash Spectroscopy of the Reaction Centers of Wildâ€type and Mutant Rhodobacter sphaeroides: Bacteriochlorophyll_Bâ€mediated Interaction Between the Carotenoid Triplet and the Special Pair^{Â¶}^{â€}. Photochemistry and Photobiology, 2004, 79, 68-75.	2.5	4
119	Comparative study of integrating cavity absorption meters. Journal of Proteomics, 2006, 69, 189-196.	2.4	4
120	Double-blind review: the paw print is a giveaway. Nature, 2008, 452, 28-28.	27.8	4
121	Least-Squares Is Not the Only Yardstick for Estimating the Absorption Limit of an Infinitely Long Conjugated Chain from Spectra of Oligomers. Journal of Physical Chemistry Letters, 2016, 7, 676-679.	4.6	4
122	On infinitenes â€“ Reliable calculation of Î»âˆž and molecular modeling of lemniscate structured carotenoids. Computational and Theoretical Chemistry, 2018, 1125, 133-141.	2.5	4
123	Triplet Probes: Novel and Powerful Tools for Elucidating the Structure of Biological Membranes. Biochemical Society Transactions, 1974, 2, 960-962.	3.4	3
124	On the role of re-encounters in enhancing the relative yield of excimer fluorescence following triplet-triplet annihilation in liquids. Chemical Physics Letters, 1978, 54, 49-52.	2.6	3
125	Use of the time evolution operator. American Journal of Physics, 1979, 47, 384-384.	0.7	3
126	Concerning some widespread errors in diffusion-controlled reaction kinetics. Chemical Physics Letters, 1979, 67, 205-206.	2.6	3

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127	A simple method for prolonging the effective pathlength in laser kinetic spectroscopy. Review of Scientific Instruments, 1994, 65, 2188-2189.	1.3	3
128	Transport Equation for Calculating Power Spectra of Schroedinger Waves: Application to Exchange-Narrowing and Environmental Isomers. The Journal of Physical Chemistry, 1995, 99, 6199-6207.	2.9	3
129	Nanosecond Laser Photolysis Studies of Chlorosomes and Artificial Aggregates Containing Bacteriochlorophyll e: Evidence for the Proximity of Carotenoids and Bacteriochlorophyll a in Chlorosomes from Chlorobium phaeobacteroides strain CL1401Â¶. Photochemistry and Photobiology, 2007, 72, 669-675.	2.5	3
130	Pulsed-source time-resolved phosphorimetry: comparison of a commercial gated photomultiplier with a specially wired ungated photomultiplier. Photochemical and Photobiological Sciences, 2013, 12, 1110.	2.9	3
131	Comment on â€˜â€˜The reactivity dependence of the recombination probabilityâ€™â€™. Journal of Chemical Physics, 1981, 74, 6535-6537.	3.0	2
132	Milne problem with a grey boundary. Journal of Chemical Physics, 1986, 84, 6394-6400.	3.0	2
133	A Comparison of the Singlet-Singlet and Triplet-Triplet Spectra of Some Typical Symmetrical Cyanine Dyes. Spectroscopy Letters, 1987, 20, 319-330.	1.0	2
134	Normal modes-of vibration and relaxation. Journal of Chemical Education, 1989, 66, 703.	2.3	2
135	The status of science in Muslim nations. Nature, 2008, 453, 27-27.	27.8	2
136	Comment on: â€œcalculation of phosporimeter factor - reply to a criticismâ€• Chemical Physics Letters, 1970, 6, 518.	2.6	1
137	A Critique of McClare's Quantum Mechanical Muscle Model. Nature, 1973, 242, 473-473.	27.8	1
138	Comment on â€˜â€˜Steady, oneâ€dimensional Brownian motion with an absorbing boundaryâ€™â€™. Journal of Chemical Physics, 1982, 77, 4263-4264.	3.0	1
139	Derivation of energy expressions in the Rayleighâ€“SchrÃ¶dinger perturbation theory. American Journal of Physics, 1987, 55, 269-271.	0.7	1
140	Historical inaccuracies. Journal of Chemical Education, 1993, 70, 605.	2.3	1
141	Engineering & Laboratory Notes Measurement of Refractive Indices of Prismatic Materials. Applied Optics, 1996, 35, 6815.	2.1	1
142	Time-dependent radiative transfer through thin films: Chapmanâ€“Enskog-maximum entropy method. Journal Physics D: Applied Physics, 2005, 38, 3469-3479.	2.8	1
143	Comment on â€œHeavy (or large) ions in a fluid in an electric field: The diffusion equation exactly following from the Fokkerâ€“Planck equationâ€•[J. Chem. Phys. 129, 044903 (2008)]. Journal of Chemical Physics, 2010, 132, 017103.	3.0	1
144	Single shot laser flash photolysis with a fibre-coupled reference beam monitor. Photochemical and Photobiological Sciences, 2013, 12, 404-406.	2.9	1

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145	Laser flash photolytic generation of radical ions of carotenoids in organic solvents. Studies of their subsequent fates, including formation of stable carotenoid sigma dimer radical anion (CAR)2â€“. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 425, 113707.	3.9	1
146	Translation of Newtonâ€™s Principia into Arabic under the aegis of the East India Company: a rumour turning into a myth?. Indian Journal of History of Science, 0, , .	0.2	1
147	Comments on "Polarized photochemistry on bacteriorhodopsin. Dichroism of the early photochemical intermediate K610". The Journal of Physical Chemistry, 1983, 87, 3359-3360.	2.9	0
148	Molecular Vibrations as a Variational Problem. Spectroscopy Letters, 1984, 17, 137-143.	1.0	0
149	The physical (in)significance of Moseleyâ€™s screening parameter. American Journal of Physics, 1996, 64, 1332-1332.	0.7	0
150	Contributory presentations/posters. Journal of Biosciences, 1999, 24, 33-198.	1.1	0
151	Bacteriochlorophyll e Monomers, but Not Aggregates, Sensitize Singlet Oxygen: Implications for a Self-photoprotection Mechanism in ChlorosomesÂ¶. Photochemistry and Photobiology, 2007, 76, 373-380.	2.5	0
152	Careless linking of Wallace and Darwin. Nature, 2012, 485, 446-446.	27.8	0
153	The ORAC Assay: Mathematical Analysis of the Rate Equations and Some Practical Considerations. International Journal of Chemical Kinetics, 2017, 49, 409-418.	1.6	0
154	The Physics of Ultrasound and X-Rays: A Primer for Urologists. , 2012, , 283-289.		0