K George Thomas

List of Publications by Year in descending order

90 papers	9,198 citations	76326 40 h-index	48315 88 g-index
92 all docs	92 docs citations	92 times ranked	11103 citing authors

#	Article	IF	Citations
1	Present and Future of Surface-Enhanced Raman Scattering. ACS Nano, 2020, 14, 28-117.	14.6	2,153
2	Chromophore-Functionalized Gold Nanoparticles. Accounts of Chemical Research, 2003, 36, 888-898.	15.6	649
3	Selective Detection of Cysteine and Glutathione Using Gold Nanorods. Journal of the American Chemical Society, 2005, 127, 6516-6517.	13.7	574
4	Uniaxial Plasmon Coupling through Longitudinal Self-Assembly of Gold Nanorods. Journal of Physical Chemistry B, 2004, 108, 13066-13068.	2.6	418
5	In Situ Synthesis of Metal Nanoparticles and Selective Naked-Eye Detection of Lead Ions from Aqueous Media. Journal of Physical Chemistry C, 2007, 111, 12839-12847.	3.1	369
6	Making Gold Nanoparticles Glow:â€‰ Enhanced Emission from a Surface-Bound Fluoroprobe. Journal of the American Chemical Society, 2000, 122, 2655-2656.	13.7	233
7	Self-Assembled Linear Bundles of Single Wall Carbon Nanotubes and Their Alignment and Deposition as a Film in a dc Field. Journal of the American Chemical Society, 2004, 126, 10757-10762.	13.7	233
8	CuInS₂-Sensitized Quantum Dot Solar Cell. Electrophoretic Deposition, Excited-State Dynamics, and Photovoltaic Performance. Journal of Physical Chemistry Letters, 2013, 4, 722-729.	4.6	219
9	Gold Nanorods to Nanochains:Â Mechanistic Investigations on Their Longitudinal Assembly Using Î±,Ï‰-Alkanedithiols and Interplasmon Coupling. Journal of Physical Chemistry B, 2006, 110, 150-157.	2.6	191
10	Photoinduced Charge Separation in a Fluorophoreâ"Gold Nanoassembly. Journal of Physical Chemistry B, 2002, 106, 18-21.	2.6	190
11	Fullerene-Functionalized Gold Nanoparticles. A Self-Assembled Photoactive Antenna-Metal Nanocore Assembly. Nano Letters, 2002, 2, 29-35.	9.1	187
12	Ag@SiO₂ Coreâ€"Shell Nanostructures: Distance-Dependent Plasmon Coupling and SERS Investigation. Journal of Physical Chemistry Letters, 2012, 3, 1459-1464.	4.6	176
13	Surface Plasmon Coupled Circular Dichroism of Au Nanoparticles on Peptide Nanotubes. Journal of the American Chemical Society, 2010, 132, 2502-2503.	13.7	173
14	Light-Induced Modulation of Self-Assembly on Spiropyran-Capped Gold Nanoparticles:Â A Potential System for the Controlled Release of Amino Acid Derivatives. Journal of the American Chemical Society, 2003, 125, 7174-7175.	13.7	172
15	Plasmon Coupling in Dimers of Au Nanorods. Advanced Materials, 2008, 20, 4300-4305.	21.0	172
16	Surface Binding Properties of Tetraoctylammonium Bromide-Capped Gold Nanoparticles. Langmuir, 2002, 18, 3722-3727.	3.5	166
17	Electrodeposition of C60Cluster Aggregates on Nanostructured SnO2Films for Enhanced Photocurrent Generation. Journal of Physical Chemistry B, 2000, 104, 4014-4017.	2.6	144
18	Photophysical and Theoretical Investigations of Oligo(p-phenyleneethynylene)s:Â Effect of Alkoxy Substitution and Alkyneâ"Aryl Bond Rotations. Journal of Physical Chemistry A, 2006, 110, 4329-4337.	2.5	144

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19	Nanoscale chirality in metal and semiconductor nanoparticles. Chemical Communications, 2016, 52, 12555-12569.	4.1	128
20	Enantioselective Light Harvesting with Perylenediimide Guests on Selfâ€Assembled Chiral Naphthalenediimide Nanofibers. Angewandte Chemie - International Edition, 2017, 56, 15053-15057.	13.8	110
21	Photoinduced Charge Separation and Stabilization in Clusters of a Fullereneâ^'Aniline Dyad. Journal of Physical Chemistry B, 1999, 103, 8864-8869.	2.6	99
22	Luminescence Properties of CdSe Quantum Dots: Role of Crystal Structure and Surface Composition. Journal of Physical Chemistry Letters, 2013, 4, 2774-2779.	4.6	97
23	Ultrafast photochemical events associated with the photosensitization properties of a squaraine dye. Chemical Physics Letters, 1991, 178, 75-79.	2.6	93
24	Surface-Enhanced Raman Spectroscopy: Investigations at the Nanorod Edges and Dimer Junctions. Journal of Physical Chemistry Letters, 2011, 2, 610-615.	4.6	87
25	Excited-State Interactions in Pyrrolidinofullerenes. Journal of Physical Chemistry A, 1998, 102, 5341-5348.	2.5	84
26	A squaraine-based chemosensor for Hg2+ and Pb2+. Tetrahedron, 2006, 62, 605-610.	1.9	78
27	InP Quantum Dots: An Environmentally Friendly Material with Resonance Energy Transfer Requisites. Journal of Physical Chemistry C, 2014, 118, 3838-3845.	3.1	72
28	Plexcitons: The Role of Oscillator Strengths and Spectral Widths in Determining Strong Coupling. ACS Nano, 2018, 12, 402-415.	14.6	71
29	Surface plasmon coupling in end-to-end linked gold nanorod dimers and trimers. Physical Chemistry Chemical Physics, 2013, 15, 4258.	2.8	70
30	Conformational Switching and Exciton Interactions in Hemicyanine-Based Bichromophores. Journal of the American Chemical Society, 2001, 123, 7859-7865.	13.7	69
31	Investigations on Nanoparticleâ^'Chromophore and Interchromophore Interactions in Pyrene-Capped Gold Nanoparticles. Journal of Physical Chemistry B, 2004, 108, 13265-13272.	2.6	66
32	Photochemistry of squaraine dyes. 5. Aggregation of bis(2,4-dihydroxyphenyl)squaraine and bis(2,4,6-trihydroxyphenyl)squaraine and their photodissociation in acetonitrile solutions. The Journal of Physical Chemistry, 1993, 97, 13620-13624.	2.9	58
33	Ruthenium(II) Trisbipyridine Functionalized Gold Nanorods. Morphological Changes and Excited-State Interactionsâ€. Journal of Physical Chemistry B, 2007, 111, 6839-6844.	2.6	56
34	Singlet and Triplet Excited-State Interactions and Photochemical Reactivity of Phenyleneethynylene Oligomers. Journal of Physical Chemistry A, 2006, 110, 5642-5649.	2.5	55
35	Fluorescence enhancement of bis(2,4,6-trihydroxyphenyl)squaraine anion by 2 : 1 hostâ€“guest complexation with Î²-cyclodextrin. Journal of the Chemical Society, Faraday Transactions, 1992, 88, 3419-3422.	1.7	52
36	An Approach for Optimizing the Shell Thickness of Coreâ^'Shell Quantum Dots Using Photoinduced Charge Transfer. Journal of Physical Chemistry C, 2007, 111, 10146-10149.	3.1	51

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37	Photochemistry of Ruthenium Trisbipyridine Functionalized on Gold Nanoparticles. Journal of Physical Chemistry B, 2006, 110, 20737-20741.	2.6	48
38	Preferential End Functionalization of Au Nanorods through Electrostatic Interactions. Journal of the American Chemical Society, 2007, 129, 6712-6713.	13.7	47
39	Synthesis of CdS nanorods and nanospheres: shape tuning by the controlled addition of a sulfide precursor at room temperature. CrystEngComm, 2011, 13, 2340.	2.6	44
40	Orientation-Dependent Electron Transfer Processes in Fullereneâ˜'Aniline Dyads. Journal of Physical Chemistry A, 1999, 103, 10755-10763.	2.5	43
41	Photochemistry of chromophore-functionalized gold nanoparticles. Pure and Applied Chemistry, 2002, 74, 1731-1738.	1.9	41
42	Dynamics of Photoinduced Electron-Transfer Processes in Fullerene-Based Dyads: Effects of Varying the Donor Strength. ChemPhysChem, 2003, 4, 1299-1307.	2.1	41
43	How Trap States Affect Charge Carrier Dynamics of CdSe and InP Quantum Dots: Visualization through Complexation with Viologen. ACS Energy Letters, 2018, 3, 2368-2375.	17.4	41
44	Emergent chiroptical properties in supramolecular and plasmonic assemblies. Chemical Society Reviews, 2021, 50, 11208-11226.	38.1	41
45	Photocatalyzed multiple additions of amines to .alpha.,.beta.-unsaturated esters and nitriles. Journal of Organic Chemistry, 1994, 59, 628-634.	3.2	39
46	Photoinduced Electron Transfer between 1,2,5-Triphenylpyrrolidinofullerene Cluster Aggregates and Electron Donors. Langmuir, 2001, 17, 2930-2936.	3.5	37
47	Blinking Suppression in Highly Excited CdSe/ZnS Quantum Dots by Electron Transfer under Large Positive Gibbs (Free) Energy Change. ACS Nano, 2018, 12, 9060-9069.	14.6	37
48	Supramolecular chirality: a caveat in assigning the handedness of chiral aggregates. Chemical Communications, 2020, 56, 8281-8284.	4.1	37
49	Design and synthesis of squaraine based near infrared fluorescent probes. Tetrahedron, 2007, 63, 1617-1623.	1.9	36
50	Hydrazine-Induced Room-Temperature Transformation of CdTe Nanoparticles to Nanowires. Journal of Physical Chemistry Letters, 2010, 1, 2094-2098.	4.6	35
51	Clusters of Bis- and Tris-Fullerenes. Langmuir, 2002, 18, 1831-1839.	3.5	34
52	Two-Dimensional Growth Rate Control of <scp>l</scp>-Phenylalanine Crystal by Laser Trapping in Unsaturated Aqueous Solution. Crystal Growth and Design, 2016, 16, 953-960.	3.0	34
53	Cost-Effective Plasmonic Platforms: Glass Capillaries Decorated with Ag@SiO₂ Nanoparticles on Inner Walls as SERS Substrates. ACS Applied Materials & Interfaces, 2017, 9, 19470-19477.	8.0	34
54	Excited-state properties and photosensitization behaviour of bis(2,4-dihydroxyphenyl)squaraine. Journal of the Chemical Society, Faraday Transactions, 1993, 89, 2397.	1.7	32

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55	Enantioselective Light Harvesting with Perylenediimide Guests on Selfâ€Assembled Chiral Naphthalenediimide Nanofibers. Angewandte Chemie, 2017, 129, 15249-15253.	2.0	32
56	Chiral Plasmons: Au Nanoparticle Assemblies on Thermoresponsive Organic Templates. ACS Nano, 2019, 13, 4392-4401.	14.6	32
57	Electrochemical and Photoelectrochemical Properties of Monoaza-15-crown Ether Linked Cyanine Dyes: Photosensitization of Nanocrystalline SnO2 Films. Langmuir, 1995, 11, 1777-1783.	3.5	31
58	Picosecond dynamics of an IR sensitive squaraine dye. Role of singlet and triplet excited states in the photosensitization of TiO2 nanoclusters. Journal of Chemical Physics, 1997, 106, 6404-6411.	3.0	30
59	Coupling of Elementary Electronic Excitations: Drawing Parallels Between Excitons and Plasmons. Journal of Physical Chemistry Letters, 2018, 9, 919-932.	4.6	28
60	Au nanorod quartets and Raman signal enhancement: towards the design of plasmonic platforms. Nanoscale, 2014, 6, 10454.	5.6	24
61	Self-Organization of Phenyleneethynylene into Wire-Like Molecular Materials on Surfaces. Journal of Physical Chemistry C, 2007, 111, 14933-14936.	3.1	23
62	Directional hydrogen bonding controlled 2D self-organization of phenyleneethynylenes: from linear assembly to rectangular network. Chemical Communications, 2010, 46, 3457.	4.1	23
63	Mesoporous Silica-Capped Silver Nanoparticles for Sieving and Surface-Enhanced Raman Scattering-Based Sensing. ACS Applied Nano Materials, 2020, 3, 6376-6384.	5.0	23
64	Excited-State and Photoelectrochemical Behavior of Pyrene-Linked Phenyleneethynylene Oligomer. Journal of Physical Chemistry B, 2008, 112, 14539-14547.	2.6	21
65	Gold Nanoparticle-Functionalized Carbon Nanotubes for Light-Induced Electron Transfer Process. Journal of Physical Chemistry Letters, 2011, 2, 775-781.	4.6	21
66	Gold nanoparticle on semiconductor quantum dot: Do surface ligands influence Fermi level equilibration. Journal of Chemical Physics, 2020, 152, 044710.	3.0	19
67	Core-Size-Dependent Trapping and Detrapping Dynamics in CdSe/CdS/ZnS Quantum Dots. Journal of Physical Chemistry C, 2021, 125, 25706-25716.	3.1	19
68	Descriptor-Based Rational Design of Two-Dimensional Self-Assembled Nanoarchitectures Stabilized by Hydrogen Bonds. Chemistry of Materials, 2017, 29, 7170-7182.	6.7	18
69	Tunable photophysical properties of phenyleneethynylene based bipyridine ligands. Photochemical and Photobiological Sciences, 2009, 8, 1432.	2.9	17
70	Role of Hydrogen Bonding on the Self-Organization of Phenyleneethynylenes on Surfaces. Langmuir, 2013, 29, 2242-2249.	3.5	16
71	CdSeâ€“CdTe Heterojunction Nanorods: Role of CdTe Segment in Modulating the Charge Transfer Processes. ACS Omega, 2017, 2, 5150-5158.	3.5	16
72	Photochemistry of squaraine dyes. Part 10.â€”Excited-state properties and photosensitization behaviour of an IR sensitive cationic squaraine dye. Journal of the Chemical Society, Faraday Transactions, 1996, 92, 4913-4916.	1.7	15

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73	Functional Control on the 2D Self-Organization of Phenyleneethynylenes. Journal of Physical Chemistry C, 2009, 113, 11836-11843.	3.1	14
74	Effect of viscosity on the singlet-excited state dynamics of some hemicyanine dyes. Research on Chemical Intermediates, 2003, 29, 293-305.	2.7	13
75	Ligand-Induced Ground- and Excited-State Chirality in Silicon Nanoparticles: Surface Interactions Matter. Journal of the American Chemical Society, 2022, 144, 5074-5086.	13.7	13
76	Photophysical and Photoelectrochemical Behavior of Poly[styrene-co-3-(acrylamido)-6-aminoacridine]. Macromolecules, 1995, 28, 4249-4254.	4.8	12
77	InP Quantum Dots: Probing the Active Domain of Tau Peptide Using Energy Transfer. Journal of Physical Chemistry C, 2018, 122, 14168-14176.	3.1	12
78	Crown ether derivatives of squaraine: new near-infrared-absorbing, redox-active fluoroionophores for alkali metal recognition. Analytical Proceedings, 1995, 32, 213.	0.4	11
79	Manipulating the Self-Assembly of Phenyleneethynylenes under Vibrational Strong Coupling. Journal of Physical Chemistry Letters, 2022, 13, 1209-1214.	4.6	11
80	Emergence of Chiroptical Properties in Molecular Assemblies of Phenyleneethynylenes: The Role of Quasi-degenerate Excitations. Journal of Physical Chemistry Letters, 2018, 9, 4584-4590.	4.6	10
81	Finding the Needle in a Haystack: Capturing Veiled Plexcitonic Coupling through Differential Spectroscopy. Journal of Physical Chemistry C, 2020, 124, 26387-26395.	3.1	7
82	Coreâ€“Shell Plasmonic Nanostructures on Au Films as SERS Substrates: Thickness of Film and Quality Factor of Nanoparticle Matter. Journal of Physical Chemistry C, 2021, 125, 16024-16032.	3.1	6
83	Combined effects of emitterâ€“emitter and emitterâ€“plasmonic surface separations dictate photoluminescence enhancement in a plasmonic field. Physical Chemistry Chemical Physics, 2022, 24, 17250-17262.	2.8	5
84	Coupled Plasmon Resonances and Gap Modes in Laterally Assembled Gold Nanorod Arrays. Zeitschrift Fur Physikalische Chemie, 2018, 232, 1607-1617.	2.8	4
85	InP-Bovine Serum Albumin Conjugates as Energy Transfer Probes. Journal of Physical Chemistry B, 2022, 126, 2635-2646.	2.6	4
86	Functionalized Fullerenes as Photosynthetic Mimics. Electrochemical Society Interface, 1999, 8, 30-32.	0.4	4
87	Probing the bilayer-monolayer switching of capping agents on Au nanorods and its interaction with guest molecules $$^{S }$$ Â§. Journal of Chemical Sciences, 2018, 130, 1.	1.5	2
88	Energy Spotlight. ACS Energy Letters, 2020, 5, 3876-3878.	17.4	2
89	RÃ¼cktitelbild: Enantioselective Light Harvesting with Perylenediimide Guests on Selfâ€Assembled Chiral Naphthalenediimide Nanofibers (Angew. Chem. 47/2017). Angewandte Chemie, 2017, 129, 15364-15364.	2.0	0
90	Tribute to Prashant V. Kamat. Journal of Physical Chemistry C, 2018, 122, 13205-13206.	3.1	0