

K George Thomas

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

85
papers

7,190
citations

39
h-index

84
g-index

92
ext. papers

8,161
ext. citations

7.5
avg, IF

5.93
L-index

#	Paper	IF	Citations
85	Present and Future of Surface-Enhanced Raman Scattering. <i>ACS Nano</i> , 2020 , 14, 28-117	16.7	1000
84	Chromophore-functionalized gold nanoparticles. <i>Accounts of Chemical Research</i> , 2003 , 36, 888-98	24.3	608
83	Selective detection of cysteine and glutathione using gold nanorods. <i>Journal of the American Chemical Society</i> , 2005 , 127, 6516-7	16.4	539
82	Uniaxial Plasmon Coupling through Longitudinal Self-Assembly of Gold Nanorods. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 13066-13068	3.4	385
81	In Situ Synthesis of Metal Nanoparticles and Selective Naked-Eye Detection of Lead Ions from Aqueous Media. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 12839-12847	3.8	322
80	Self-assembled linear bundles of single wall carbon nanotubes and their alignment and deposition as a film in a dc field. <i>Journal of the American Chemical Society</i> , 2004 , 126, 10757-62	16.4	216
79	Making Gold Nanoparticles Glow: Enhanced Emission from a Surface-Bound Fluoroprobe. <i>Journal of the American Chemical Society</i> , 2000 , 122, 2655-2656	16.4	209
78	CuInS ₂ -Sensitized Quantum Dot Solar Cell. Electrophoretic Deposition, Excited-State Dynamics, and Photovoltaic Performance. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 722-9	6.4	199
77	Gold nanorods to nanochains: mechanistic investigations on their longitudinal assembly using alpha,omega-alkanedithiols and interplasmon coupling. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 150-7 ³ 4	17.4	179
76	Photoinduced Charge Separation in a Fluorophore-Gold Nanoassembly. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 18-21	3.4	175
75	Light-induced modulation of self-assembly on spiropyran-capped gold nanoparticles: a potential system for the controlled release of amino acid derivatives. <i>Journal of the American Chemical Society</i> , 2003 , 125, 7174-5	16.4	167
74	Fullerene-Functionalized Gold Nanoparticles. A Self-Assembled Photoactive Antenna-Metal Nanocore Assembly. <i>Nano Letters</i> , 2002 , 2, 29-35	11.5	167
73	Surface Binding Properties of Tetraoctylammonium Bromide-Capped Gold Nanoparticles. <i>Langmuir</i> , 2002 , 18, 3722-3727	4	155
72	Surface plasmon coupled circular dichroism of Au nanoparticles on peptide nanotubes. <i>Journal of the American Chemical Society</i> , 2010 , 132, 2502-3	16.4	152
71	Plasmon Coupling in Dimers of Au Nanorods. <i>Advanced Materials</i> , 2008 , 20, 4300-4305	24	152
70	Ag@SiO ₂ Core-Shell Nanostructures: Distance-Dependent Plasmon Coupling and SERS Investigation. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 1459-64	6.4	147
69	Photophysical and theoretical investigations of oligo(p-phenyleneethynylene)s: effect of alkoxy substitution and alkyne-aryl bond rotations. <i>Journal of Physical Chemistry A</i> , 2006 , 110, 4329-37	2.8	135

68	Electrodeposition of C60 Cluster Aggregates on Nanostructured SnO2 Films for Enhanced Photocurrent Generation. <i>Journal of Physical Chemistry B</i> , 2000 , 104, 4014-4017	3.4	131
67	Nanoscale chirality in metal and semiconductor nanoparticles. <i>Chemical Communications</i> , 2016 , 52, 12555-12569	5.8	63
66	Ultrafast photochemical events associated with the photosensitization properties of a squaraine dye. <i>Chemical Physics Letters</i> , 1991 , 178, 75-79	2.5	89
65	Photoinduced Charge Separation and Stabilization in Clusters of a Fullerene-Aniline Dyad. <i>Journal of Physical Chemistry B</i> , 1999 , 103, 8864-8869	3.4	86
64	Luminescence Properties of CdSe Quantum Dots: Role of Crystal Structure and Surface Composition. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 2774-2779	6.4	84
63	Enantioselective Light Harvesting with Perylene-3,4,9,10-tetracarboxylic Diimide Guests on Self-Assembled Chiral Naphthalene-1,4,5,8-tetracarboxylic Diimide Nanofibers. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 15053-15057	16.4	79
62	Surface-Enhanced Raman Spectroscopy: Investigations at the Nanorod Edges and Dimer Junctions. <i>Journal of Physical Chemistry Letters</i> , 2011 , 2, 610-615	6.4	78
61	A squaraine-based chemosensor for Hg2+ and Pb2+. <i>Tetrahedron</i> , 2006 , 62, 605-610	2.4	76
60	Excited-State Interactions in Pyrrolidinofullerenes. <i>Journal of Physical Chemistry A</i> , 1998 , 102, 5341-5348	2.8	76
59	Investigations on Nanoparticle-Chromophore and Interchromophore Interactions in Pyrene-Capped Gold Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 13265-13272	3.4	63
58	Conformational switching and exciton interactions in hemicyanine-based bichromophores. <i>Journal of the American Chemical Society</i> , 2001 , 123, 7859-65	16.4	62
57	Surface plasmon coupling in end-to-end linked gold nanorod dimers and trimers. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 4258-64	3.6	61
56	InP Quantum Dots: An Environmentally Friendly Material with Resonance Energy Transfer Requisites. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 3838-3845	3.8	58
55	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. <i>The Journal of Physical Chemistry</i> , 1993 , 97, 13620-13624		55
54	Ruthenium(II) trisbipyridine functionalized gold nanorods. Morphological changes and excited-state interactions. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 6839-44	3.4	53
53	Plexcitons: The Role of Oscillator Strengths and Spectral Widths in Determining Strong Coupling. <i>ACS Nano</i> , 2018 , 12, 402-415	16.7	52
52	Singlet and triplet excited-state interactions and photochemical reactivity of phenyleneethynylene oligomers. <i>Journal of Physical Chemistry A</i> , 2006 , 110, 5642-9	2.8	52
51	An Approach for Optimizing the Shell Thickness of Core-Shell Quantum Dots Using Photoinduced Charge Transfer. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 10146-10149	3.8	44

50	Photochemistry of ruthenium trisbipyridine functionalized on gold nanoparticles. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 20737-41	3.4	44
49	Fluorescence enhancement of bis(2,4,6-trihydroxyphenyl)squaraine anion by 2 : 1 host:guest complexation with β -cyclodextrin. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1992 , 88, 3419-3422		44
48	Dynamics of photoinduced electron-transfer processes in fullerene-based dyads: effects of varying the donor strength. <i>ChemPhysChem</i> , 2003 , 4, 1299-307	3.2	41
47	Preferential end functionalization of Au nanorods through electrostatic interactions. <i>Journal of the American Chemical Society</i> , 2007 , 129, 6712-3	16.4	40
46	Synthesis of CdS nanorods and nanospheres: shape tuning by the controlled addition of a sulfide precursor at room temperature. <i>CrystEngComm</i> , 2011 , 13, 2340	3.3	39
45	Photochemistry of chromophore-functionalized gold nanoparticles. <i>Pure and Applied Chemistry</i> , 2002 , 74, 1731-1738	2.1	38
44	Orientation-Dependent Electron Transfer Processes in Fullerene-Aniline Dyads. <i>Journal of Physical Chemistry A</i> , 1999 , 103, 10755-10763	2.8	37
43	Photoinduced Electron Transfer between 1,2,5-Triphenylpyrrolidinofullerene Cluster Aggregates and Electron Donors. <i>Langmuir</i> , 2001 , 17, 2930-2936	4	35
42	Photocatalyzed multiple additions of amines to α,β -unsaturated esters and nitriles. <i>Journal of Organic Chemistry</i> , 1994 , 59, 628-634	4.2	35
41	Hydrazine-Induced Room-Temperature Transformation of CdTe Nanoparticles to Nanowires. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 2094-2098	6.4	32
40	Design and synthesis of squaraine based near infrared fluorescent probes. <i>Tetrahedron</i> , 2007 , 63, 1617-1623	16.3	32
39	Excited-state properties and photosensitization behaviour of bis(2,4-dihydroxyphenyl)squaraine. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1993 , 89, 2397		32
38	Clusters of Bis- and Tris-Fullerenes. <i>Langmuir</i> , 2002 , 18, 1831-1839	4	30
37	Blinking Suppression in Highly Excited CdSe/ZnS Quantum Dots by Electron Transfer under Large Positive Gibbs (Free) Energy Change. <i>ACS Nano</i> , 2018 , 12, 9060-9069	16.7	29
36	Picosecond dynamics of an IR sensitive squaraine dye. Role of singlet and triplet excited states in the photosensitization of TiO ₂ nanoclusters. <i>Journal of Chemical Physics</i> , 1997 , 106, 6404-6411	3.9	29
35	Electrochemical and Photoelectrochemical Properties of Monoaza-15-crown Ether Linked Cyanine Dyes: Photosensitization of Nanocrystalline SnO ₂ Films. <i>Langmuir</i> , 1995 , 11, 1777-1783	4	29
34	Cost-Effective Plasmonic Platforms: Glass Capillaries Decorated with Ag@SiO Nanoparticles on Inner Walls as SERS Substrates. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 19470-19477	9.5	27
33	Two-Dimensional Growth Rate Control of L-Phenylalanine Crystal by Laser Trapping in Unsaturated Aqueous Solution. <i>Crystal Growth and Design</i> , 2016 , 16, 953-960	3.5	27

32	Enantioselective Light Harvesting with Perylenediimide Guests on Self-Assembled Chiral Naphthalenediimide Nanofibers. <i>Angewandte Chemie</i> , 2017 , 129, 15249-15253	3.6	27
31	How Trap States Affect Charge Carrier Dynamics of CdSe and InP Quantum Dots: Visualization through Complexation with Viologen. <i>ACS Energy Letters</i> , 2018 , 3, 2368-2375	20.1	26
30	Self-Organization of Phenyleneethynylene into Wire-Like Molecular Materials on Surfaces. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 14933-14936	3.8	22
29	Supramolecular chirality: a caveat in assigning the handedness of chiral aggregates. <i>Chemical Communications</i> , 2020 , 56, 8281-8284	5.8	21
28	Directional hydrogen bonding controlled 2D self-organization of phenyleneethynylenes: from linear assembly to rectangular network. <i>Chemical Communications</i> , 2010 , 46, 3457-9	5.8	21
27	Au nanorod quartets and Raman signal enhancement: towards the design of plasmonic platforms. <i>Nanoscale</i> , 2014 , 6, 10454-9	7.7	20
26	Chiral Plasmons: Au Nanoparticle Assemblies on Thermoresponsive Organic Templates. <i>ACS Nano</i> , 2019 , 13, 4392-4401	16.7	19
25	Gold Nanoparticle-Functionalized Carbon Nanotubes for Light-Induced Electron Transfer Process. <i>Journal of Physical Chemistry Letters</i> , 2011 , 2, 775-781	6.4	17
24	Excited-state and photoelectrochemical behavior of pyrene-linked phenyleneethynylene oligomer. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 14539-47	3.4	17
23	Coupling of Elementary Electronic Excitations: Drawing Parallels Between Excitons and Plasmons. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 919-932	6.4	16
22	Tunable photophysical properties of phenyleneethynylene based bipyridine ligands. <i>Photochemical and Photobiological Sciences</i> , 2009 , 8, 1432-40	4.2	15
21	Photochemistry of squaraine dyes. Part 10. Excited-state properties and photosensitization behaviour of an IR sensitive cationic squaraine dye. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1996 , 92, 4913-4916		14
20	Mesoporous Silica-Capped Silver Nanoparticles for Sieving and Surface-Enhanced Raman Scattering-Based Sensing. <i>ACS Applied Nano Materials</i> , 2020 , 3, 6376-6384	5.6	13
19	Role of hydrogen bonding on the self-organization of phenyleneethynylenes on surfaces. <i>Langmuir</i> , 2013 , 29, 2242-9	4	13
18	Functional Control on the 2D Self-Organization of Phenyleneethynylenes. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 11836-11843	3.8	13
17	CdSe-CdTe Heterojunction Nanorods: Role of CdTe Segment in Modulating the Charge Transfer Processes. <i>ACS Omega</i> , 2017 , 2, 5150-5158	3.9	12
16	Descriptor-Based Rational Design of Two-Dimensional Self-Assembled Nanoarchitectures Stabilized by Hydrogen Bonds. <i>Chemistry of Materials</i> , 2017 , 29, 7170-7182	9.6	12
15	Photophysical and Photoelectrochemical Behavior of Poly[styrene-co-3-(acrylamido)-6-aminoacridine]. <i>Macromolecules</i> , 1995 , 28, 4249-4254	5.5	11

14	Crown ether derivatives of squaraine: new near-infrared-absorbing, redox-active fluoroionophores for alkali metal recognition. <i>Analytical Proceedings</i> , 1995 , 32, 213		11
13	Gold nanoparticle on semiconductor quantum dot: Do surface ligands influence Fermi level equilibration. <i>Journal of Chemical Physics</i> , 2020 , 152, 044710	3.9	11
12	Effect of viscosity on the singlet-excited state dynamics of some hemicyanine dyes. <i>Research on Chemical Intermediates</i> , 2003 , 29, 293-305	2.8	10
11	InP Quantum Dots: Probing the Active Domain of Tau Peptide Using Energy Transfer. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 14168-14176	3.8	8
10	Emergence of Chiroptical Properties in Molecular Assemblies of Phenyleneethynylenes: The Role of Quasi-degenerate Excitations. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 4584-4590	6.4	5
9	Coupled Plasmon Resonances and Gap Modes in Laterally Assembled Gold Nanorod Arrays. <i>Zeitschrift Fur Physikalische Chemie</i> , 2018 , 232, 1607-1617	3.1	4
8	Emergent chiroptical properties in supramolecular and plasmonic assemblies. <i>Chemical Society Reviews</i> , 2021 , 50, 11208-11226	58.5	3
7	Core-Size-Dependent Trapping and Detrapping Dynamics in CdSe/CdS/ZnS Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 25706-25716	3.8	2
6	Finding the Needle in a Haystack: Capturing Veiled Plexcitonic Coupling through Differential Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 26387-26395	3.8	2
5	Manipulating the Self-Assembly of Phenyleneethynylenes under Vibrational Strong Coupling.. <i>Journal of Physical Chemistry Letters</i> , 2022 , 1209-1214	6.4	1
4	Core-Shell Plasmonic Nanostructures on Au Films as SERS Substrates: Thickness of Film and Quality Factor of Nanoparticle Matter. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 16024-16032	3.8	1
3	Probing the bilayer-monolayer switching of capping agents on Au nanorods and its interaction with guest molecules($\{S\}$). <i>Journal of Chemical Sciences</i> , 2018 , 130, 1	1.8	0
2	Rekittelbild: Enantioselective Light Harvesting with Perylenediimide Guests on Self-Assembled Chiral Naphthalenediimide Nanofibers (Angew. Chem. 47/2017). <i>Angewandte Chemie</i> , 2017 , 129, 15364-15364	3.6	0
1	Tribute to Prashant V. Kamat. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 13205-13206	3.8	0