

Navaneetha K Subbaiyan

List of Publications by Year in descending order

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49
papers

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136885

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3751
citing authors

#	ARTICLE	IF	CITATIONS
1	Analyte Interactions with Oxoporphyrinogen Derivatives: Computational Aspects. <i>Current Organic Chemistry</i> , 2022, 26, 580-595.	0.9	1
2	Nanoporous Glass Surface for Backscattered Waveguide Fluorescence Application. <i>ACS Applied Nano Materials</i> , 2018, 1, 7052-7059.	2.4	0
3	Excited State Charge Separation in Solution and in Electropolymerized Films of Terthiophene-Fullerene Dyad and Phenothiazine-Terthiophene-Fullerene Triad. <i>ECS Journal of Solid State Science and Technology</i> , 2017, 6, M3007-M3013.	0.9	2
4	Chlorin e6 sensitized photovoltaic cells: effect of co-adsorbents on cell performance, charge transfer resistance, and charge recombination dynamics. <i>Journal of Photonics for Energy</i> , 2015, 5, 053089.	0.8	10
5	Bench-top aqueous two-phase extraction of isolated individual single-walled carbon nanotubes. <i>Nano Research</i> , 2015, 8, 1755-1769.	5.8	41
6	Unexpected but convenient synthesis of soluble meso-tetrakis(3,4-benzoquinone)-substituted porphyrins. <i>Journal of Porphyrins and Phthalocyanines</i> , 2014, 18, 173-181.	0.4	5
7	Role of Surfactants and Salt in Aqueous Two-Phase Separation of Carbon Nanotubes toward Simple Chirality Isolation. <i>ACS Nano</i> , 2014, 8, 1619-1628.	7.3	164
8	Developing Monolithic Nanoporous Gold with Hierarchical Bicontinuity Using Colloidal Bijels. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 809-812.	2.1	55
9	The effect of thiophene substituents of fulleropyrrolidine acceptors on the performance of inverted organic solar cells. <i>Synthetic Metals</i> , 2014, 195, 193-200.	2.1	7
10	Studies of a supramolecular photoelectrochemical cell using magnesium tetraphenylporphyrin as photosensitizer. <i>Journal of Porphyrins and Phthalocyanines</i> , 2013, 17, 733-741.	0.4	4
11	Sequential Photoinduced Energy and Electron Transfer Directed Improved Performance of the Supramolecular Solar Cell of a Zinc Porphyrin-Zinc Phthalocyanine Conjugate Modified TiO ₂ Surface. <i>Journal of Physical Chemistry C</i> , 2013, 117, 763-773.	1.5	59
12	A Hybrid Soft Solar Cell Based on the Mycobacterial Porin MspA Linked to a Sensitizer-Viologen Diad. <i>Journal of the American Chemical Society</i> , 2013, 135, 6842-6845.	6.6	21
13	Light-to-electron converting panchromatic supramolecular solar cells of phthalocyanine-porphyrin heterodimers adsorbed onto nanocrystalline SnO ₂ electrodes. <i>Chemical Communications</i> , 2012, 48, 3641.	2.2	26
14	Phenothiazine-Sensitized Organic Solar Cells: Effect of Dye Anchor Group Positioning on the Cell Performance. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 5813-5820.	4.0	126
15	Antioxidant-substituted tetrapyrazinoporphyrazine as a fluorescent sensor for basic anions. <i>Chemical Communications</i> , 2012, 48, 3951.	2.2	22
16	A novel BF ₂ -chelated azadipyrromethene-fullerene dyad: synthesis, electrochemistry and photodynamics. <i>Chemical Communications</i> , 2012, 48, 206-208.	2.2	90
17	Development of Nanopatterned Fluorine-Doped Tin Oxide Electrodes for Dye-Sensitized Solar Cells with Improved Light Trapping. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 1565-1572.	4.0	54
18	Surface-Immobilized Single-Site Iridium Complexes for Electrocatalytic Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9601-9605.	7.2	126

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19	Supramolecular Donor–Acceptor Assembly Derived from Tetracarbazole–Zinc Phthalocyanine Coordinated to Fullerene: Design, Synthesis, Photochemical, and Photoelectrochemical Studies. <i>Journal of Physical Chemistry C</i> , 2012, 116, 11964-11972.	1.5	39
20	Photoinduced charge separation in three-layer supramolecular nanohybrids: fullerene–porphyrin–SWCNT. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 2940.	1.3	18
21	Control over Photoinduced Energy and Electron Transfer in Supramolecular Polyads of Covalently linked azaBODIPY-Bisporphyrin –Molecular Clip™ Hosting Fullerene. <i>Journal of the American Chemical Society</i> , 2012, 134, 654-664.	6.6	148
22	Functionalization of Diameter-Sorted Semiconductive SWCNTs with Photosensitizing Porphyrins: Syntheses and Photoinduced Electron Transfer. <i>Chemistry - A European Journal</i> , 2012, 18, 11388-11398.	1.7	24
23	Near Unity Photon-to-Electron Conversion Efficiency of Photoelectrochemical Cells Built on Cationic Water-Soluble Porphyrins Electrostatically Decorated onto Thin-Film Nanocrystalline SnO ₂ Surface. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 2368-2376.	4.0	26
24	Enhanced photocurrents via redox modulation by fluoride binding to oxoporphyrinogen in a zinc porphyrin-oxoporphyrinogen surface modified TiO ₂ supramolecular solar cell. <i>Chemical Communications</i> , 2011, 47, 6003.	2.2	38
25	Syntheses, Electrochemistry, and Photodynamics of Ferrocene–Azadipyromethane Donor–Acceptor Dyads and Triads. <i>Journal of Physical Chemistry A</i> , 2011, 115, 9810-9819.	1.1	69
26	Photoinduced processes of the supramolecularly functionalized semi-conductive SWCNTs with porphyrins via ion-pairing interactions. <i>Energy and Environmental Science</i> , 2011, 4, 707-716.	15.6	43
27	Distinguishing Homogeneous from Heterogeneous Catalysis in Electrode-Driven Water Oxidation with Molecular Iridium Complexes. <i>Journal of the American Chemical Society</i> , 2011, 133, 10473-10481.	6.6	293
28	Diameter-Sorted SWCNT–Porphyrin and SWCNT–Phthalocyanine Conjugates for Light–Energy Harvesting. <i>ChemPhysChem</i> , 2011, 12, 2266-2273.	1.0	48
29	Photochemical Charge Separation in Closely Positioned Donor–Boron Dipyrin–Fullerene Triads. <i>Chemistry - A European Journal</i> , 2011, 17, 3147-3156.	1.7	59
30	Formation and photoinduced properties of zinc porphyrin-SWCNT and zinc phthalocyanine-SWCNT nanohybrids using diameter sorted nanotubes assembled via metal-ligand coordination and π–π stacking. <i>Journal of Porphyrins and Phthalocyanines</i> , 2011, 15, 1033-1043.	0.4	18
31	Photoinduced electron transfer in a directly linked meso-triphenylamine zinc porphyrin-quinone dyad. <i>Journal of Porphyrins and Phthalocyanines</i> , 2011, 15, 391-400.	0.4	9
32	Photochemical Charge Separation in Supramolecular Phthalocyanine–Multifullerene Conjugates Assembled by Crown Ether-Alkyl Ammonium Cation Interactions. <i>Journal of Physical Chemistry A</i> , 2010, 114, 10951-10959.	1.1	46
33	Ultrafast Singlet–Singlet Energy Transfer in Self-Assembled via Metal–Ligand Axial Coordination of Free-Base Porphyrin–Zinc Phthalocyanine and Free-Base Porphyrin–Zinc Naphthalocyanine Dyads. <i>Journal of Physical Chemistry A</i> , 2010, 114, 268-277.	1.1	52
34	Electronic energy harvesting multi BODIPY-zinc porphyrin dyads accommodating fullerene as photosynthetic composite of antenna-reaction center. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 7434.	1.3	87
35	Effect of anion binding on charge stabilization in a bis-fullerene–oxoporphyrinogen conjugate. <i>Chemical Communications</i> , 2010, 46, 7933.	2.2	14
36	Photoinduced Charge Separation in Ion-Paired Porphyrin–Single-Wall Carbon Nanotube Donor–Acceptor Hybrids. <i>Journal of Physical Chemistry C</i> , 2009, 113, 13425-13432.	1.5	56

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37	Anion-Complexation-Induced Stabilization of Charge Separation. <i>Journal of the American Chemical Society</i> , 2009, 131, 16138-16146.	6.6	93
38	Supramolecular Donor-Acceptor Hybrid of Electropolymerized Zinc Porphyrin with Axially Coordinated Fullerene: Formation, Characterization, and Photoelectrochemical Properties. <i>Journal of Physical Chemistry C</i> , 2009, 113, 8982-8989.	1.5	49
39	Supramolecular Solar Cells: Surface Modification of Nanocrystalline TiO ₂ with Coordinating Ligands To Immobilize Sensitizers and Dyads via Metal-Ligand Coordination for Enhanced Photocurrent Generation. <i>Journal of the American Chemical Society</i> , 2009, 131, 14646-14647.	6.6	109
40	Pyrazinacenes: Aza Analogues of Acenes. <i>Journal of Organic Chemistry</i> , 2009, 74, 8914-8923.	1.7	66
41	Through-bond photoinduced electron transfer in a porphyrin-fullerene conjugate held by a Hamilton type hydrogen bonding motif. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 1076.	1.5	25
42	Photosynthetic Antenna-Reaction Center Mimicry: Sequential Energy- and Electron Transfer in a Self-assembled Supramolecular Triad Composed of Boron Dipyrin, Zinc Porphyrin and Fullerene. <i>Journal of Physical Chemistry A</i> , 2009, 113, 8478-8489.	1.1	93
43	Photosynthetic Reaction Center Mimicry: Low Reorganization Energy Driven Charge Stabilization in Self-Assembled Cofacial Zinc Phthalocyanine Dimer-Fullerene Conjugate. <i>Journal of the American Chemical Society</i> , 2009, 131, 8787-8797.	6.6	177
44	Corrole-Fullerene Dyads: Formation of Long-Lived Charge-Separated States in Nonpolar Solvents. <i>Journal of the American Chemical Society</i> , 2008, 130, 14263-14272.	6.6	185
45	Metal Quinolinolate-Fullerene(s) Donor-Acceptor Complexes: Evidence for Organic LED Molecules Acting as Electron Donors in Photoinduced Electron-Transfer Reactions. <i>Journal of the American Chemical Society</i> , 2008, 130, 16959-16967.	6.6	34
46	Co-facial magnesium porphyrin dimer complexed with fullerene: photosynthetic reaction center model of 'special pair' self-assembled to electron acceptor. <i>Journal of Porphyrins and Phthalocyanines</i> , 2008, 12, 857-865.	0.4	14
47	Supramolecular Carbon Nanotube-Fullerene Donor-Acceptor Hybrids for Photoinduced Electron Transfer. <i>Journal of the American Chemical Society</i> , 2007, 129, 15865-15871.	6.6	144
48	Self-Assembled Single-Walled Carbon Nanotube:Zinc-Porphyrin Hybrids through Ammonium Ion-Crown Ether Interaction: Construction and Electron Transfer. <i>Chemistry - A European Journal</i> , 2007, 13, 8277-8284.	1.7	77
49	Light-Induced Electron Transfer of a Supramolecular Bis(Zinc Porphyrin)-Fullerene Triad Constructed via a Diacetylamidopyridine/Uracil Hydrogen-Bonding Motif. <i>Journal of Physical Chemistry C</i> , 2007, 111, 12500-12503.	1.5	39