

Shankara Gayathri Radhakrishnan

List of Publications by Year in descending order

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29
papers

1,734
citations

430874

18
h-index

454955

30
g-index

32
all docs

32
docs citations

32
times ranked

1729
citing authors

#	ARTICLE	IF	CITATIONS
1	Endohedral fullerenes for organic photovoltaic devices. <i>Nature Materials</i> , 2009, 8, 208-212.	27.5	599
2	Sc ₃ N@C ₈₀ Ferrocene Electron Donor/Acceptor Conjugates as Promising Materials for Photovoltaic Applications. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 4173-4176.	13.8	141
3	Photoinduced Charge Transfer and Electrochemical Properties of Triphenylamine I _h -Sc ₃ N@C ₈₀ Donor-Acceptor Conjugates. <i>Journal of the American Chemical Society</i> , 2009, 131, 7727-7734.	13.7	120
4	Tuning Conversion Efficiency in Metallo Endohedral Fullerene-Based Organic Photovoltaic Devices. <i>Advanced Functional Materials</i> , 2009, 19, 2332-2337.	14.9	108
5	Discrete Supramolecular Donor-Acceptor Complexes. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 815-819.	13.8	107
6	Metal Nitride Cluster Fullerene M ₃ N@C ₈₀ (M=Y, Sc) Based Dyads: Synthesis, and Electrochemical, Theoretical and Photophysical Studies. <i>Chemistry - A European Journal</i> , 2009, 15, 864-877.	3.3	96
7	Donor-Acceptor Conjugates of Lanthanum Endohedral Metallofullerene and Extended Tetrathiafulvalene. <i>Journal of the American Chemical Society</i> , 2010, 132, 8048-8055.	13.7	71
8	A Molecular Ce ₂ @I _h -C ₈₀ Switch-Unprecedented Oxidative Pathway in Photoinduced Charge Transfer Reactivity. <i>Journal of the American Chemical Society</i> , 2010, 132, 9078-9086.	13.7	71
9	Synthesis and Charge-Transfer Chemistry of La ₂ @I _h -C ₈₀ /Sc ₃ N@I _h -C ₈₀ Porphyrin Conjugates: Impact of Endohedral Cluster. <i>Journal of the American Chemical Society</i> , 2011, 133, 7608-7618.	13.7	69
10	Y-Conjugated Multidonor/Acceptor Arrays of Fullerene-Cobaltadithiolene-Tetrathiafulvalene: From Synthesis and Structure to Electronic Interactions. <i>Journal of the American Chemical Society</i> , 2009, 131, 12643-12649.	13.7	50
11	Uniquely Shaped Double-Decker Buckyferrocenes-Distinct Electron Donor-Acceptor Interactions. <i>Journal of the American Chemical Society</i> , 2008, 130, 16207-16215.	13.7	38
12	A Ruthenium Bridge in Fullerene-Ferrocene Arrays: Synthesis of [Ru(C ₆₀ Me ₅)R(CO) ₂] (R=C ₆ H ₄ Fc, C ₆₀ Fc) and Their Charge-Transfer Properties. <i>Chemistry - an Asian Journal</i> , 2008, 3, 841-848.	3.3	22
13	Coordinative Interactions between Porphyrins and C ₆₀ , La@C ₈₂ , and La ₂ @C ₈₀ . <i>Chemistry - A European Journal</i> , 2013, 19, 558-565.	3.3	22
14	Electrical rectification from a fullerene[60]-dyad based metal-organic-metal junction. <i>Chemical Communications</i> , 2006, , 1977-1979.	4.1	20
15	In command of non-equilibrium. <i>Chemical Society Reviews</i> , 2016, 45, 2768-2784.	38.1	20
16	Loading Pentapod Deca(organo)[60]fullerenes with Electron Donors: From Photophysics to Photoelectrochemical Bilayers. <i>Journal of the American Chemical Society</i> , 2010, 132, 6342-6348.	13.7	19
17	Highly efficient formic acid and carbon dioxide electro-reduction to alcohols on indium oxide electrodes. <i>Sustainable Energy and Fuels</i> , 2020, 4, 4030-4038.	4.9	16
18	Structure and Dynamics in Solvent-Polarity-Induced Aggregates from a C ₆₀ Fullerene-Based Dyad. <i>Langmuir</i> , 2005, 21, 12139-12145.	3.5	15

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19	Aggregation of a C60 ⁺ Didodecyloxybenzene Dyad: Structure, Dynamics, and Mechanism of Vesicle Growth. <i>Langmuir</i> , 2007, 23, 4800-4808.	3.5	14
20	Reactivity of diatomics and of ethylene on zeolite-supported 13-atom platinum nanoclusters. <i>Catalysis Science and Technology</i> , 2016, 6, 6814-6823.	4.1	14
21	Mono-, di- and tetra- rhenium Fischer carbene complexes with thienothiophene substituents. <i>Dalton Transactions</i> , 2017, 46, 13983-13993.	3.3	14
22	A new fullerene C60 ⁺ didodecyloxy benzene dyad: An evidence for ground state electron transfer. <i>Chemical Physics Letters</i> , 2005, 414, 198-203.	2.6	12
23	Bilayer vesicles as precursors for spherical fractal aggregates from the self-assembly of a C60-fullerene-dyad in polar solvent. <i>Journal of Chemical Physics</i> , 2006, 124, 131104.	3.0	7
24	Establishing a kinetic control regime for the decomposition of brominated fullerene derivatives: C60Br24 and C60Br6. <i>Chemical Physics Letters</i> , 2003, 374, 33-40.	2.6	6
25	Interfacial behaviour of brominated fullerene (C60Br24) and stearic acid mixed Langmuir films at air-water interface. <i>Chemical Physics Letters</i> , 2007, 433, 317-322.	2.6	6
26	Threefold exTTF-based Buckycatcher. <i>Journal of Coordination Chemistry</i> , 2010, 63, 2939-2948.	2.2	4
27	Catching metallic nitride endohedral fullerenes in organic and aqueous media. <i>Journal of Porphyrins and Phthalocyanines</i> , 2016, 20, 1025-1033.	0.8	2
28	Phase evolution, structural characteristics and mechanism of vesicle formation from a synthetic amphiphile: Controlled morphology by tuning solution phase parameters. <i>Journal of Dispersion Science and Technology</i> , 2019, 40, 287-298.	2.4	0
29	Liquid Fuels Synthesis from Carbon Dioxide on Membrane-Electrode-Assembly (MEA) Under Ambient Conditions. <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	0