

Thiruvancheril G Gopakumar

List of Publications by Year in descending order

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all docs

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docs citations

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times ranked

1603
citing authors

#	ARTICLE	IF	CITATIONS
1	Electron-Induced Spin Crossover of Single Molecules in a Bilayer on Gold. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 6262-6266.	13.8	246
2	Spin-Crossover Complex on Au(111): Structural and Electronic Differences Between Mono- and Multilayers. <i>Chemistry - A European Journal</i> , 2013, 19, 15702-15709.	3.3	91
3	Polymorphism Driven by Concentration at the Solid-Liquid Interface. <i>Journal of Physical Chemistry C</i> , 2011, 115, 21743-21749.	3.1	68
4	Coverage-Driven Electronic Decoupling of Fe-Phthalocyanine from a Ag(111) Substrate. <i>Journal of Physical Chemistry C</i> , 2011, 115, 12173-12179.	3.1	64
5	Transfer of Cl Ligands between Adsorbed Iron Tetraphenylporphyrin Molecules. <i>Journal of the American Chemical Society</i> , 2012, 134, 11844-11847.	13.7	60
6	Influence of Solvophobic Effects on Self-Assembly of Trimesic Acid at the Liquid-Solid Interface. <i>Journal of Physical Chemistry C</i> , 2010, 114, 3531-3536.	3.1	52
7	Scanning Tunneling Microscopy and Scanning Tunneling Spectroscopy Studies of Planar and Nonplanar Naphthalocyanines on Graphite (0001). Part 1: A Effect of Nonplanarity on the Adlayer Structure and Voltage-Induced Flipping of Nonplanar Tin-Naphthalocyanine. <i>Journal of Physical Chemistry B</i> , 2006, 110, 6051-6059.	2.6	48
8	Surface Control of Alkyl Chain Conformations and 2D Chiral Amplification. <i>Journal of the American Chemical Society</i> , 2013, 135, 8814-8817.	13.7	41
9	Exploring the F_{16} CoPc/Ag(110) Interface Using Scanning Tunneling Microscopy and Spectroscopy. 2. Adsorption-Induced Charge Transfer Effect. <i>Journal of Physical Chemistry C</i> , 2010, 114, 21548-21554.	3.1	36
10	Switching of an Azobenzene-Tripod Molecule on Ag(111). <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 2080-2084.	4.6	31
11	HOMO-LUMO Gap Shrinking Reveals Tip-Induced Polarization of Molecules in Ultrathin Layers: Tip-Sample Distance-Dependent Scanning Tunneling Spectroscopy on d_{8} (Ni, Pd, and Pt) Phthalocyanines. <i>Journal of Physical Chemistry C</i> , 2008, 112, 2529-2537.	3.1	29
12	Effect of cross-linking on the performance of polymer inclusion membranes (PIMs) for the extraction, transport and separation of Zn(II). <i>Journal of Membrane Science</i> , 2019, 589, 117256.	8.2	29
13	Effect of Chain Length and the Nature of the Monolayer on the Electrical Behavior of Hydrophobically Organized Gold Clusters. <i>Journal of Physical Chemistry B</i> , 2003, 107, 13567-13574.	2.6	27
14	Polymorphs of trimesic acid controlled by solvent polarity and concentration of solute at solid-liquid interface. <i>Surface Science</i> , 2013, 607, 68-73.	1.9	27
15	Exploring the F_{16} CoPc/Ag(110) Interface Using Scanning Tunneling Microscopy and Spectroscopy. Part 1: Template-Guided Adlayer Structure Formation. <i>Journal of Physical Chemistry C</i> , 2010, 114, 3537-3543.	3.1	25
16	Coverage Driven Formation of Homochiral Domains of an Achiral Molecule on Au(111). <i>Journal of Physical Chemistry C</i> , 2010, 114, 18247-18251.	3.1	25
17	Electronic Ground-State and Orbital Ordering of Iron Phthalocyanine on H/Si(111) Unraveled by Spatially Resolved Tunneling Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2012, 116, 20882-20886.	3.1	24
18	Scanning Tunneling Microscopy and Scanning Tunneling Spectroscopy Studies of Planar and Nonplanar Naphthalocyanine on Graphite (0001). Part 2: A Tip-Sample Distance-Dependent ν Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2006, 110, 6060-6065.	2.6	19

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19	Scanning Tunnelling Microscopy on Ultrathin Organic Layers of Phthalocyanine and Naphthalocyanines on Highly Oriented Pyrolytic Graphite (0001). Japanese Journal of Applied Physics, 2006, 45, 2268-2270.	1.5	19
20	Broken Symmetry of an Adsorbed Molecular Switch Determined by Scanning Tunneling Spectroscopy. Angewandte Chemie - International Edition, 2013, 52, 11007-11010.	13.8	12
21	A simple molecular design for tunable two-dimensional imine covalent organic frameworks for optoelectronic applications. Physical Chemistry Chemical Physics, 2020, 22, 21360-21368.	2.8	11
22	Surface <i>cis</i> Effect: Influence of an Axial Ligand on Molecular Self-Assembly. Journal of the American Chemical Society, 2016, 138, 7544-7550.	13.7	10
23	Controlling Growth to One Dimension in Nanoislands of Ferrocene-Sugar Derivatives. Journal of Physical Chemistry C, 2016, 120, 9223-9228.	3.1	10
24	Porous Network Structure of Octacyano-Metal-Free Phthalocyanine on the Basal Plane of Highly Oriented Pyrolytic Graphite. Journal of Physical Chemistry C, 2008, 112, 7698-7705.	3.1	9
25	Coordination-Controlled One-Dimensional Molecular Chains in Hexapodal Adenine-Silver Ultrathin Films. Inorganic Chemistry, 2017, 56, 3976-3982.	4.0	9
26	Low-Threshold Reversible Electron-Induced and Selective Photoinduced Switching of Azobenzene Derivatives under Ambient Conditions. Journal of Physical Chemistry Letters, 2018, 9, 6326-6333.	4.6	9
27	A cross-linked polymer inclusion membrane for enhanced gold recovery from electronic waste. Waste Management, 2021, 124, 54-62.	7.4	9
28	Controlling Self-Assembly of Switchable Azobenzene Derivatives on Highly Oriented Pyrolytic Graphite at Ambient Conditions. Journal of Physical Chemistry C, 2018, 122, 15330-15337.	3.1	8
29	Electronic Structure of a Semiconducting Imine-Covalent Organic Framework. Chemistry - an Asian Journal, 2019, 14, 4645-4650.	3.3	8
30	Comparing interactions in three-fold symmetric molecules at solid-air interface. Surface Science, 2019, 680, 11-17.	1.9	8
31	Ester formation at the liquid-solid interface. Beilstein Journal of Nanotechnology, 2017, 8, 2139-2150.	2.8	6
32	Selection of Adlayer Patterns of 1,3-Dithia Derivatives of Ferrocene by the Nature of the Solvent. Journal of Physical Chemistry C, 2018, 122, 19067-19074.	3.1	6
33	Understanding the Adsorption Energetics of Growth Polymorphs of Ferrocene Derivatives: Microscopic Thermal Desorption Analysis. Journal of Physical Chemistry C, 2019, 123, 18488-18494.	3.1	6
34	Light-Induced Quantitative and Electrical-Field-Induced Barrierless Switching of Spiropyran Derivative on Graphite Surface. Journal of Physical Chemistry Letters, 2021, 12, 5463-5468.	4.6	6
35	Remotely Triggered Geometrical Isomerization of a Binuclear Complex. Journal of the American Chemical Society, 2014, 136, 6163-6166.	13.7	3
36	Revealing the Limits of Intermolecular Interactions: Molecular Rings of Ferrocene Derivatives on Graphite Surface. Journal of Physical Chemistry Letters, 2020, 11, 297-302.	4.6	3

#	ARTICLE	IF	CITATIONS
37	Rationally Designed Semiconducting 2D Surface-Confined Metal-Organic Network. ACS Applied Materials & Interfaces, 2020, 12, 51122-51132.	8.0	3
38	Measuring the Intermolecular Interactions in Molecular Patterns on Surfaces Using Microscopy. Journal of Physical Chemistry C, 2021, 125, 602-609.	3.1	3
39	Berichtigung: Elektroneninduzierter Spin-Crossover von Einzelmolekülen in einer Doppellage auf Gold. Angewandte Chemie, 2013, 125, 3884-3884.	2.0	2
40	Solution-Processed Large-Area Ultrathin Films of Metal-Coordinated Electron-Rich Adenine-Based Ligand. Journal of Physical Chemistry C, 2019, 123, 20922-20927.	3.1	2
41	Solvent- and Temperature-Dependent Assembly in Monolayer Films of a Ferrocene-Naphthyridine Hybrid on HOPG. Chemistry - an Asian Journal, 2021, 16, 1430-1437.	3.3	1
42	Crystal structure and self-assembly on graphite of a pyrazolo[1,5- <i>c</i>]pyrimidine derivative. Acta Crystallographica Section C, Structural Chemistry, 2021, 77, 757-763.	0.5	0