

Vinod T. P.

List of Publications by Year in descending order

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33
papers

540
citations

687363

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677142

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35
all docs

35
docs citations

35
times ranked

813
citing authors

#	ARTICLE	IF	CITATIONS
1	Poly(methyl methacrylate)-Supported Polydiacetylene Films: Unique Chromatic Transitions and Molecular Sensing. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 8613-8620.	8.0	70
2	Doping and Surface Modification of Carbon Quantum Dots for Enhanced Functionalities and Related Applications. <i>Particle and Particle Systems Characterization</i> , 2021, 38, 2100170.	2.3	48
3	A flexible high-sensitivity piezoresistive sensor comprising a Au nanoribbon-coated polymer sponge. <i>Journal of Materials Chemistry C</i> , 2015, 3, 9247-9252.	5.5	46
4	Hexagonal nanoplatelets of CuSe synthesized through facile solution phase reaction. <i>Materials Research Bulletin</i> , 2011, 46, 340-344.	5.2	43
5	PEDOT Decorated with PtIr Nanoclusters on Carbon Fiber Paper toward Electrocatalytic Reduction of a Hypertensive Drug Olmesartan Medoxomil. <i>Journal of the Electrochemical Society</i> , 2018, 165, B582-B595.	2.9	29
6	Transparent, conductive, and SERS-active Au nanofiber films assembled on an amphiphilic peptide template. <i>Nanoscale</i> , 2013, 5, 10487.	5.6	27
7	Amine functionalized carbon quantum dots from paper precursors for selective binding and fluorescent labelling applications. <i>Journal of Colloid and Interface Science</i> , 2022, 617, 730-744.	9.4	27
8	Stacking interactions by two Phe side chains stabilize and orient assemblies of even the minimal amphiphilic β -sheet motif. <i>Chemical Communications</i> , 2015, 51, 3154-3157.	4.1	26
9	Photocatalytic hybrid Au/ZnO nanoparticles assembled through a one-pot method. <i>Journal of Colloid and Interface Science</i> , 2015, 460, 113-118.	9.4	26
10	Self-Guided One-Sided Metal Reduction in Te Nanowires Leading to Au ⁺ Te Matchsticks. <i>Langmuir</i> , 2009, 25, 13545-13550.	3.5	18
11	Nonplanar Conductive Surfaces via "Bottom-Up" Nanostructured Gold Coating. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 3341-3346.	8.0	16
12	Unilamellar Vesicles from Amphiphilic Graphene Quantum Dots. <i>Chemistry - A European Journal</i> , 2015, 21, 7755-7759.	3.3	16
13	Carbon Dots from Natural Sources for Biomedical Applications. <i>Particle and Particle Systems Characterization</i> , 2022, 39, .	2.3	15
14	Novel Anti-Adhesive Biomaterial Patches: Preventing Biofilm with Metal Complex Films (MCF) Derived from a Microalgal Polysaccharide. <i>Advanced Materials Interfaces</i> , 2016, 3, 1500486.	3.7	13
15	Directed self-assembly of graphene oxide on an electrospun polymer fiber template. <i>Carbon</i> , 2015, 95, 888-894.	10.3	11
16	Multisegmented Se ⁺ Te ⁺ Se Hybrid Nanowires: A Building Unit with Inbuilt Block and Glue Functionality. <i>Langmuir</i> , 2010, 26, 9195-9197.	3.5	10
17	Stretchable Substrates for the Assembly of Polymeric Microstructures. <i>Small</i> , 2017, 13, 1603350.	10.0	10
18	Microscale screen printing of large-area arrays of microparticles for the fabrication of photonic structures and for optical sorting. <i>Journal of Materials Chemistry C</i> , 2018, 6, 12031-12037.	5.5	10

#	ARTICLE	IF	CITATIONS
19	TEMPO-Mediated Aqueous Phase Electrooxidation of Pyridyl Methanol at Palladium-Decorated PANI on Carbon Fiber Paper Electrode. <i>ChemistrySelect</i> , 2020, 5, 3283-3294.	1.5	10
20	Transparent, conductive polystyrene in three dimensional configurations. <i>Polymer</i> , 2014, 55, 5095-5101.	3.8	9
21	Spontaneous Assembly of Extremely Long, Horizontally-Aligned, Conductive Gold Micro-Wires in a Langmuir Monolayer Template. <i>Advanced Materials Interfaces</i> , 2014, 1, 1400187.	3.7	7
22	Single-Step Assembly of Large-Area, Transparent Conductive Patterns Induced Through Edge Adsorption of Template-Confined Au-Thiocyanate. <i>Advanced Materials Interfaces</i> , 2015, 2, 1400430.	3.7	7
23	Cytotoxic Potentials of Tellurium Nanowires in BALB/3T3 Fibroblast Cells. <i>Bulletin of the Korean Chemical Society</i> , 2011, 32, 3405-3410.	1.9	7
24	Inorganic Nanoparticles in Cosmetics. , 2019, , 29-46.		6
25	Fabrication and Applications of Wrinkled Soft Substrates: An Overview. <i>ChemistrySelect</i> , 2022, 7, .	1.5	6
26	Nanostructure Synthesis at the Solid-Water Interface: Spontaneous Assembly and Chemical Transformations of Tellurium Nanorods. <i>ChemPhysChem</i> , 2014, 15, 3026-3031.	2.1	5
27	Trace level determination of Hg ²⁺ ions in environmental samples with a mercaptotriazole-functionalized TiO ₂ nanostructure-based fluorescent probe. <i>Analytical Methods</i> , 2019, 11, 537-547.	2.7	4
28	Novel dioxidomolybdenum complexes containing ONO chelators: Synthesis, physicochemical properties, crystal structures, Hirshfeld surface analysis, DNA binding/cleavage studies, docking, and in vitro cytotoxicity. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6334.	3.5	3
29	Compositionally Homogeneous Soft Wrinkles on Elastomeric Substrates: Novel Fabrication Method, Water Collection from Fog, and Triboelectric Charge Generation. <i>Macromolecular Materials and Engineering</i> , 0, , 2200247.	3.6	3
30	A Novel Aqueous Phase Synthetic Route for CuInSe ₂ Nanocrystals. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 5892-5896.	0.9	2
31	Aligned Au Micro-Wires: Spontaneous Assembly of Extremely Long, Horizontally-Aligned, Conductive Gold Micro-Wires in a Langmuir Monolayer Template (<i>Adv. Mater. Interfaces</i> 8/2014). <i>Advanced Materials Interfaces</i> , 2014, 1, .	3.7	1
32	Anti-Biofilms: Novel Anti-Adhesive Biomaterial Patches: Preventing Biofilm with Metal Complex Films (MCF) Derived from a Microalgal Polysaccharide (<i>Adv. Mater. Interfaces</i> 9/2016). <i>Advanced Materials Interfaces</i> , 2016, 3, .	3.7	1
33	Large-Scale Facile Synthesis of Te Nanowires. <i>Advanced Science Letters</i> , 2012, 10, 364-366.	0.2	0