

# Vinod Kumar Vadivel

## List of Publications by Year in descending order

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docs citations

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times ranked

1547  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recycled Paper Sludge (RPS)-Derived Nanocellulose: Production, Detection and Water Treatment Application. Applied Sciences (Switzerland), 2022, 12, 3077.	1.3	4
2	Effective Removal of Acid Dye in Synthetic and Silk Dyeing Effluent: Isotherm and Kinetic Studies. ACS Omega, 2022, 7, 118-128.	1.6	22
3	Metal-organic frameworks derived CuONPs@C nanocatalysts for synthesizing optoelectronic triarylamine molecules. Inorganic Chemistry Communication, 2021, 123, 108301.	1.8	2
4	Removal of Indigo Dye by CaCO <sub>3</sub> /Ca(OH) <sub>2</sub> Composites and Resource Recovery. Industrial & Engineering Chemistry Research, 2021, 60, 10312-10318.	1.8	10
5	Aerogels for water treatment: A review. Journal of Cleaner Production, 2021, 329, 129713.	4.6	64
6	Ethanol-activated granular aerogel as efficient adsorbent for persistent organic pollutants from real leachate and hospital wastewater. Journal of Hazardous Materials, 2020, 384, 121396.	6.5	32
7	LP-UV-Nano MgO <sub>2</sub> Pretreated Catalysis Followed by Small Bioreactor Platform Capsules Treatment for Superior Kinetic Degradation Performance of 17 $\beta$ -Ethinylestradiol. Materials, 2020, 13, 83.	1.3	7
8	Rapid visible-light degradation of EE2 and its estrogenicity in hospital wastewater by crystalline promoted g-C <sub>3</sub> N <sub>4</sub> . Journal of Hazardous Materials, 2020, 398, 122880.	6.5	19
9	Decolorization of dyes from textile wastewater using biochar: a review. Acta Innovations, 2020, , 36-46.	0.4	8
10	Nanocellulose production from recycled paper mill sludge using ozonation pretreatment followed by recyclable maleic acid hydrolysis. Carbohydrate Polymers, 2019, 216, 343-351.	5.1	39
11	Fabrication of strong bifunctional electrocatalytically active hybrid Cu@Cu <sub>2</sub> O nanoparticles in a carbon matrix. Catalysis Science and Technology, 2018, 8, 1414-1422.	2.1	42
12	Self-assembly of water soluble perylene tetracarboxylic acid with metal cations: Selective fluorescence sensing of Cu <sup>2+</sup> and Pb <sup>2+</sup> ions in paper strips, zebrafish and yeast. Journal of Luminescence, 2018, 203, 42-49.	1.5	18
13	ApAGP-fabricated silver nanoparticles induce amendment of murine macrophage polarization. Journal of Materials Chemistry B, 2017, 5, 3511-3520.	2.9	15
14	Probing electrochemical interfaces using shell-isolated nanoparticles-enhanced Raman spectroscopy. Current Opinion in Electrochemistry, 2017, 1, 16-21.	2.5	25
15	Fluorescent carbon quantum dots chemosensor for selective turn-on sensing of Zn <sup>2+</sup> and turn-off sensing of Pb <sup>2+</sup> in aqueous medium and zebrafish eggs. New Journal of Chemistry, 2017, 41, 15157-15164.	1.4	30
16	Copper-coordination polymer-controlled Cu@N-rGO and CuO@C nanoparticle formation: reusable green catalyst for A <sup>3</sup> -coupling and nitroarene-reduction reactions. Dalton Transactions, 2017, 46, 11704-11714.	1.6	17
17	Effect of surfactant in mitigating cadmium oxide nanoparticle toxicity: Implications for mitigating cadmium toxicity in environment. Environmental Research, 2017, 152, 141-149.	3.7	49
18	L-Methionine based phenolic compound mediates unusual assembly of AgNPs and exerts efficient anti-biofilm effect. RSC Advances, 2016, 6, 45716-45726.	1.7	4

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19	Synthesis of CuO and Cu <sub>2</sub> O nano/microparticles from a single precursor: effect of temperature on CuO/Cu <sub>2</sub> O formation and morphology dependent nitroarene reduction. RSC Advances, 2016, 6, 85083-85090.	1.7	33
20	Synthesis of Co <sub>3</sub> O <sub>4</sub> nanoparticles with block and sphere morphology, and investigation into the influence of morphology on biological toxicity. Experimental and Therapeutic Medicine, 2016, 11, 553-560.	0.8	47
21	Synthesis of $\beta$ -MoO <sub>3</sub> nanoplates using organic aliphatic acids and investigation of sunlight enhanced photodegradation of organic dyes. Materials Research Bulletin, 2016, 76, 147-154.	2.7	34
22	Antimicrobial studies of metal and metal oxide nanoparticles. , 2016, , 265-300.		31
23	Synthesis of biofunctionalized AgNPs using medicinally important Sida cordifolia leaf extract for enhanced antioxidant and anticancer activities. Materials Letters, 2016, 170, 101-104.	1.3	32
24	Highly selective colorimetric sensing of Hg <sup>2+</sup> ions by label free AuNPs in aqueous medium across wide pH range. Sensors and Actuators B: Chemical, 2016, 225, 413-419.	4.0	19
25	Biogenic silver nanoparticles synthesis using the extract of the medicinal plant Clerodendron serratum and its in-vitro antiproliferative activity. Materials Letters, 2015, 160, 400-403.	1.3	21
26	Alanine based coordinating ligand mediated hydrothermal synthesis of CuS nano/microstructures and morphology dependent photocatalysis. CrystEngComm, 2015, 17, 3452-3459.	1.3	17
27	Hyperbranched polyethylenimine-based sensor of multiple metal ions (Cu <sup>2+</sup> ), Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf RSC Advances, 2015, 5, 88125-88132.	1.7	11
28	Heavy metal cation and anion sensing studies of N-(2-hydroxybenzyl)-isopropylamine surface functionalized AgNPs. New Journal of Chemistry, 2015, 39, 1308-1314.	1.4	9
29	Surface functionalized fluorescent CdS QDs: Selective fluorescence switching and quenching by Cu <sup>2+</sup> and Hg <sup>2+</sup> at wide pH range. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 135, 335-341.	2.0	25
30	Bio-functionalized silver nanoparticles for selective colorimetric sensing of toxic metal ions and antimicrobial studies. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 129, 35-42.	2.0	59
31	Coordinating ligand functionalized AgNPs for colorimetric sensing: effect of subtle structural and conformational change of ligand on the selectivity. RSC Advances, 2014, 4, 64717-64724.	1.7	6
32	AuNP based selective colorimetric sensor for cysteine at a wide pH range: investigation of capping molecule structure on the colorimetric sensing and catalytic properties. RSC Advances, 2014, 4, 18467-18472.	1.7	19
33	A facile route to synthesize casein capped copper nanoparticles: an effective antibacterial agent and selective colorimetric sensor for mercury and tryptophan. RSC Advances, 2014, 4, 33215-33221.	1.7	53
34	Silver nanoparticles based selective colorimetric sensor for Cd <sup>2+</sup> , Hg <sup>2+</sup> and Pb <sup>2+</sup> ions: Tuning sensitivity and selectivity using co-stabilizing agents. Sensors and Actuators B: Chemical, 2014, 191, 31-36.	4.0	108
35	Highly selective silver nanoparticles based label free colorimetric sensor for nitrite anions. Analytica Chimica Acta, 2014, 842, 57-62.	2.6	37
36	Natural Amino Acid Based Phenolic Derivatives for Synthesizing Silver Nanoparticles with Tunable Morphology and Antibacterial Studies. Bulletin of the Korean Chemical Society, 2013, 34, 2702-2706.	1.0	9