

# Chandrashekar Bananakere Nanjegowd

## List of Publications by Year in descending order

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43  
papers

2,457  
citations

212478

28  
h-index

299063

42  
g-index

45  
all docs

45  
docs citations

45  
times ranked

5129  
citing authors

#	ARTICLE	IF	CITATIONS
1	Construction of highly efficient Z-scheme ZnxCd1-xS/Au@g-C <sub>3</sub> N <sub>4</sub> ternary heterojunction composite for visible-light-driven photocatalytic reduction of CO <sub>2</sub> to solar fuel. Applied Catalysis B: Environmental, 2021, 282, 119600.	10.8	129
2	Impact of Nanoscale Roughness on Heat Transport across the Solid-Solid Interface. Advanced Materials Interfaces, 2020, 7, 1901582.	1.9	24
3	Novel Sr <sub>5</sub> (PO <sub>4</sub> ) <sub>2</sub> SiO <sub>4</sub> -graphene nanocomposites for applications in bone regeneration in vitro. Applied Surface Science, 2020, 507, 145176.	3.1	10
4	Highly Efficient Visible-Light-Driven Photocatalytic Hydrogen Production Using Robust Noble-Metal-Free Zn <sub>0.5</sub> Cd <sub>0.5</sub> S@Graphene Composites Decorated with MoS <sub>2</sub> Nanosheets. Advanced Materials Interfaces, 2020, 7, 2000010.	1.9	21
5	Free-Molecular-Flow Modulated Synthesis of Hexagonal Boron Nitride Monolayers. Crystal Growth and Design, 2019, 19, 7007-7014.	1.4	10
6	Single-electrode triboelectric nanogenerator based on economical graphite coated paper for harvesting waste environmental energy. Nano Energy, 2019, 66, 104141.	8.2	71
7	Synthesis, optimization and applications of ZnO/polymer nanocomposites. Materials Science and Engineering C, 2019, 98, 1210-1240.	3.8	191
8	Novel Green Biomimetic Approach for Synthesis of ZnO-Ag Nanocomposite; Antimicrobial Activity against Food-borne Pathogen, Biocompatibility and Solar Photocatalysis. Scientific Reports, 2019, 9, 8303.	1.6	129
9	Cyclic Voltammetric and Quantum Chemical Studies of a Poly(methionine) Modified Carbon Paste Electrode for Simultaneous Detection of Dopamine and Uric Acid. Chemosensors, 2019, 7, 24.	1.8	15
10	MOFs-derived ZnCo-Fe core-shell nanocages with remarkable oxygen evolution reaction performance. Journal of Materials Chemistry A, 2019, 7, 17299-17305.	5.2	47
11	Oil boundary approach for sublimation enabled camphor mediated graphene transfer. Journal of Colloid and Interface Science, 2019, 546, 11-19.	5.0	13
12	A Universal Stamping Method of Graphene Transfer for Conducting Flexible and Transparent Polymers. Scientific Reports, 2019, 9, 3999.	1.6	31
13	Nature inspired ZnO/ZnS nanobranched-like composites, decorated with Cu(OH) <sub>2</sub> clusters for enhanced visible-light photocatalytic hydrogen evolution. Applied Catalysis B: Environmental, 2019, 253, 379-390.	10.8	90
14	Dry-Coated Graphite onto Sandpaper for Triboelectric Nanogenerator as an Active Power Source for Portable Electronics. Nanomaterials, 2019, 9, 1585.	1.9	20
15	Electronically semitransparent ZnO nanorods with superior electron transport ability for DSSCs and solar photocatalysis. Ceramics International, 2018, 44, 7202-7208.	2.3	33
16	Fabricating High-Efficient Blade-Coated Perovskite Solar Cells under Ambient Condition Using Lead Acetate Trihydrate. Solar Rrl, 2018, 2, 1700214.	3.1	29
17	Twin Defect Derived Growth of Atomically Thin MoS <sub>2</sub> Dendrites. ACS Nano, 2018, 12, 635-643.	7.3	92
18	Effect of Gamma Irradiation on Electrical Properties of CdTe/CdS Solar Cells. Materials Today: Proceedings, 2018, 5, 22570-22575.	0.9	6

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19	Surface modification and grafting of carbon fibers: A route to better interface. Progress in Crystal Growth and Characterization of Materials, 2018, 64, 75-101.	1.8	59
20	Ecofriendly Synthesis of Metal/Metal Oxide Nanoparticles and Their Application in Food Packaging and Food Preservation. , 2018, , 197-216.		11
21	Simultaneous determination of epinephrine, ascorbic acid and folic acid using TX-100 modified carbon paste electrode: A cyclic voltammetric study. Journal of Molecular Liquids, 2017, 231, 379-385.	2.3	36
22	Theoretical and cyclic voltammetric studies on electrocatalysis of benzethonium chloride at carbon paste electrode for detection of dopamine in presence of ascorbic acid. Journal of Molecular Liquids, 2017, 240, 395-401.	2.3	38
23	Phosphorous doped graphitic-C3N4 hierarchical architecture for hydrogen production from water under visible light. Materials Today Energy, 2017, 5, 91-98.	2.5	27
24	Functional Nanomaterials for Transparent Electrodes. Springer Series on Polymer and Composite Materials, 2017, , 345-376.	0.5	0
25	Shape-Dependent Defect Structures of Monolayer MoS <sub>2</sub> Crystals Grown by Chemical Vapor Deposition. ACS Applied Materials & Interfaces, 2017, 9, 763-770.	4.0	45
26	A laser irradiation synthesis of strongly-coupled VOx-reduced graphene oxide composites as enhanced performance supercapacitor electrodes. Materials Today Energy, 2017, 5, 222-229.	2.5	13
27	Heterogeneous growth mechanism of ZnO nanostructures and the effects of their morphology on optical and photocatalytic properties. CrystEngComm, 2017, 19, 3299-3312.	1.3	86
28	A Flexible and Transparent Graphene-Based Triboelectric Nanogenerator. IEEE Nanotechnology Magazine, 2016, 15, 435-441.	1.1	42
29	Simultaneous removal of dye and heavy metals in a single step reaction using PVA/MWCNT composites. Analytical Methods, 2016, 8, 2408-2412.	1.3	19
30	Roll-to-Roll Green Transfer of CVD Graphene onto Plastic for a Transparent and Flexible Triboelectric Nanogenerator. Advanced Materials, 2015, 27, 5210-5216.	11.1	273
31	Roll-to-Roll Encapsulation of Metal Nanowires between Graphene and Plastic Substrate for High-Performance Flexible Transparent Electrodes. Nano Letters, 2015, 15, 4206-4213.	4.5	410
32	A flexible and transparent graphene based triboelectric nanogenerator. , 2015, , .		1
33	Sodium do-decyl benzene sulfate modified carbon paste electrode as an electrochemical sensor for the simultaneous analysis of dopamine, ascorbic acid and uric acid: A voltammetric study. Journal of Molecular Liquids, 2013, 177, 32-39.	2.3	29
34	Development of AChE biosensor for the determination of methyl parathion and monocrotophos in water and fruit samples: A cyclic voltammetric study. Journal of Electroanalytical Chemistry, 2012, 665, 76-82.	1.9	55
35	Electrocatalytic oxidation of tyrosine at poly(threonine)-film modified carbon paste electrode and its voltammetric determination in real samples. Journal of Molecular Liquids, 2012, 172, 130-135.	2.3	39
36	Clay modified carbon paste electrode for the voltammetric detection of dopamine in presence of ascorbic acid. Journal of Molecular Liquids, 2012, 172, 53-58.	2.3	30

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37	Simultaneous cyclic voltammetric determination of norepinephrine, ascorbic acid and uric acid using TX-100 modified carbon paste electrode. <i>Analytical Methods</i> , 2012, 4, 849.	1.3	31
38	Solâ€gel immobilized biosensor for the detection of organophosphorous pesticides: A voltammetric method. <i>Bioelectrochemistry</i> , 2012, 83, 19-24.	2.4	70
39	Simultaneous electrochemical determination of epinephrine and uric acid at 1-butyl-4-methyl-pyridinium tetrafluoroborate ionic liquid modified carbon paste electrode: A voltammetric study. <i>Journal of Molecular Liquids</i> , 2012, 165, 168-172.	2.3	45
40	Electrochemical selective determination of dopamine at TX-100 modified carbon paste electrode: A voltammetric study. <i>Journal of Molecular Liquids</i> , 2012, 168, 80-86.	2.3	28
41	Selective determination of dopamine in presence of ascorbic acid and uric acid at hydroxy double salt/surfactant film modified carbon paste electrode. <i>Journal of Electroanalytical Chemistry</i> , 2012, 674, 57-64.	1.9	23
42	Electropolymerisation of l-arginine at carbon paste electrode and its application to the detection of dopamine, ascorbic and uric acid. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 88, 413-418.	2.5	46
43	Electrochemical deposition of 1-butyl-4-methyl-pyridinium tetrafluoroborate ionic liquid on carbon paste electrode and its application for the simultaneous determination of dopamine, ascorbic acid and uric acid. <i>Journal of Molecular Liquids</i> , 2011, 158, 13-17.	2.3	36