

# Vipul Bansal

## List of Publications by Year in descending order

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182  
papers

13,075  
citations

17429

63  
h-index

24961

109  
g-index

190  
all docs

190  
docs citations

190  
times ranked

17344  
citing authors

#	ARTICLE	IF	CITATIONS
1	Functionalized Concave Cube Gold Nanoparticles as Potent Antimicrobial Agents against Pathogenic Bacteria. <i>ACS Applied Bio Materials</i> , 2022, 5, 492-503.	2.3	11
2	Excess iron promotes emergence of foamy macrophages that overexpress ferritin in the lungs of silicosis patients. <i>Respirology</i> , 2022, 27, 427-436.	1.3	4
3	Nanoporous TiCN with High Specific Surface Area for Enhanced Hydrogen Evolution Reaction. <i>ACS Applied Nano Materials</i> , 2022, 5, 12077-12086.	2.4	9
4	Defect Compensation in Nitrogen-Doped $\text{Ga}_2\text{O}_3$ Nanowires: Implications for Bipolar Nanoscale Devices. <i>ACS Applied Nano Materials</i> , 2022, 5, 12087-12094.	2.4	9
5	Bimetallic nanozyme mediated urine glucose monitoring through discriminant analysis of colorimetric signal. <i>Biosensors and Bioelectronics</i> , 2022, 212, 114386.	5.3	26
6	Sunscreen testing: A critical perspective and future roadmap. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 157, 116724.	5.8	7
7	Reactive Oxygen Species Sequestration Induced Synthesis of $\text{PbO}$ and Its Polymorphic Transformation to $\text{PbO}$ at Atomically Thin Regimes. <i>ACS Nano</i> , 2022, 16, 10679-10691.	7.3	3
8	Galvanic replacement of anions in metal-organic semiconductors: a spontaneous redox reaction between TCNQ1 <sup>-</sup> and TCNQF4 (TCNQ <sup>-</sup> = 7,7,8,8-tetracyanoquinodimethane). <i>Materials Today Chemistry</i> , 2022, 26, 100998.	1.7	3
9	Nanozyme-Based Sensors for Pesticide Detection. <i>Environmental Chemistry for A Sustainable World</i> , 2021, , 145-175.	0.3	2
10	Non-invasive detection of glucose in human urine using a color-generating copper NanoZyme. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 1279-1291.	1.9	50
11	Increased Crystallization of CuTCNQ in Water/DMSO Bisolvent for Enhanced Redox Catalysis. <i>Nanomaterials</i> , 2021, 11, 954.	1.9	4
12	L-Cysteine as an Irreversible Inhibitor of the Peroxidase-Mimic Catalytic Activity of 2-Dimensional Ni-Based Nanozymes. <i>Nanomaterials</i> , 2021, 11, 1285.	1.9	17
13	Longwave Infrared Photoresponse in Copper 7,7,8,8-tetracyano-2,3,5,6-tetrafluoroquinodimethane (CuTCNQF4). , 2021, , .		0
14	Photochromic polyoxometalate <sup>-</sup> -based enzyme-free reusable sensors for real-time colorimetric detection of alcohol in sweat and saliva. <i>Materials Today Chemistry</i> , 2021, 21, 100491.	1.7	12
15	Copper Tetracyanoquinodimethane (CuTCNQ): A Metal <sup>-</sup> Organic Semiconductor for Room-Temperature Visible to Long-Wave Infrared Photodetection. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 38544-38552.	4.0	10
16	Detection of pesticides using nanozymes: Trends, challenges and outlook. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 144, 116429.	5.8	48
17	Mono- to few-layer non-van der Waals 2D lanthanide-doped $\text{NaYF}_4$ nanosheets with upconversion luminescence. <i>2D Materials</i> , 2021, 8, 015005.	2.0	3
18	Cobalt Sulfide Nanosheets as Peroxidase Mimics for Colorimetric Detection of $\text{L-Cysteine}$ . <i>ACS Applied Nano Materials</i> , 2021, 4, 13352-13362.	2.4	24

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19	GOLD SELEX: a novel SELEX approach for the development of high-affinity aptamers against small molecules without residual activity. <i>Mikrochimica Acta</i> , 2020, 187, 618.	2.5	36
20	N-acetyl-d-glucosamine-conjugated PAMAM dendrimers as dual receptor-targeting nanocarriers for anticancer drug delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020, 154, 377-386.	2.0	36
21	Photomodulated Spatially Confined Chemical Reactivity in a Single Silver Nanoprism. <i>ACS Nano</i> , 2020, 14, 11100-11109.	7.3	21
22	Metal-Organic Charge Transfer Complexes of Pb(TCNQ) <sub>2</sub> and Pb(TCNQF <sub>4</sub> ) <sub>2</sub> as New Catalysts for Electron Transfer Reactions. <i>Advanced Materials Interfaces</i> , 2020, 7, 2001111.	1.9	8
23	Monocrystalline Antimonene Nanosheets via Physical Vapor Deposition. <i>Advanced Materials Interfaces</i> , 2020, 7, 2001678.	1.9	14
24	Protein-only nanocapsules induce cross-presentation in dendritic cells, demonstrating potential as an antigen delivery system. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020, 28, 102234.	1.7	4
25	Electrically Activated UV-A Filters Based on Electrochromic MoO <sub>3</sub> . <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 16997-17003.	4.0	45
26	Site-specific delivery of a natural chemotherapeutic agent to human lung cancer cells using biotinylated 2D rGO nanocarriers. <i>Materials Science and Engineering C</i> , 2020, 112, 110884.	3.8	29
27	Recent Advances and a Roadmap to Wearable UV Sensor Technologies. <i>Advanced Materials Technologies</i> , 2020, 5, 1901036.	3.0	78
28	Visible to Long-Wave Infrared Photodetectors based on Copper Tetracyanoquinodimethane (CuTCNQ) Crystals. , 2020, , .		0
29	Dynamic interactions between peroxidase-mimic silver NanoZymes and chlorpyrifos-specific aptamers enable highly-specific pesticide sensing in river water. <i>Analytica Chimica Acta</i> , 2019, 1083, 157-165.	2.6	73
30	Multifunctional Optoelectronics via Harnessing Defects in Layered Black Phosphorus. <i>Advanced Functional Materials</i> , 2019, 29, 1901991.	7.8	97
31	MOF-derived noble-metal-free Cu/CeO <sub>2</sub> with high porosity for the efficient water-gas shift reaction at low temperatures. <i>Catalysis Science and Technology</i> , 2019, 9, 4226-4231.	2.1	25
32	Time and rate dependent synaptic learning in neuro-mimicking resistive memories. <i>Scientific Reports</i> , 2019, 9, 15404.	1.6	13
33	Alkali-activated electrospun carbon nanofibers as an efficient bifunctional adsorbent for cationic and anionic dyes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 582, 123835.	2.3	29
34	Transferrin-conjugated quasi-cubic SPIONs for cellular receptor profiling and detection of brain cancer. <i>Sensors and Actuators B: Chemical</i> , 2019, 297, 126737.	4.0	28
35	LSPR-Induced Catalytic Enhancement Using Bimetallic Copper Fabrics Prepared by Galvanic Replacement Reactions. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900516.	1.9	12
36	Long-Range Ordered Crystals of 3D Inorganic-Organic Heterojunctions via Colloidal Lithography. <i>Small Methods</i> , 2019, 3, 1900080.	4.6	8

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37	Convenient design of porous and heteroatom self-doped carbons for CO <sub>2</sub> capture. <i>Microporous and Mesoporous Materials</i> , 2019, 287, 1-8.	2.2	45
38	Optically Stimulated Artificial Synapse Based on Layered Black Phosphorus. <i>Small</i> , 2019, 15, e1900966.	5.2	201
39	Controlling the morphological and redox properties of the CuTCNQ catalyst through solvent engineering. <i>Emergent Materials</i> , 2019, 2, 35-44.	3.2	17
40	Unveiling the effect of 11-MUA coating on biocompatibility and catalytic activity of a gold-core cerium oxide-shell-based nanozyme. <i>RSC Advances</i> , 2019, 9, 33195-33206.	1.7	17
41	Identification and Directed Development of Non-Organic Catalysts with Apparent Pan-Enzymatic Mimicry into Nanozymes for Efficient Prodrug Conversion. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 278-282.	7.2	56
42	Functional Femtoliter Droplets for Ultrafast Nanoextraction and Supersensitive Online Microanalysis. <i>Small</i> , 2019, 15, e1804683.	5.2	34
43	Identifying Trends in Gold Nanoparticle Toxicity and Uptake: Size, Shape, Capping Ligand, and Biological Corona. <i>ACS Omega</i> , 2019, 4, 242-256.	1.6	186
44	Aptamer-mediated colorimetric and electrochemical detection of <i>Pseudomonas aeruginosa</i> utilizing peroxidase-mimic activity of gold NanoZyme. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 1229-1238.	1.9	162
45	Ultrasensitive Colorimetric Detection of Murine Norovirus Using NanoZyme Aptasensor. <i>Analytical Chemistry</i> , 2019, 91, 3270-3276.	3.2	174
46	Generating strong room-temperature photoluminescence in black phosphorus using organic molecules. <i>2D Materials</i> , 2019, 6, 015009.	2.0	15
47	Flower-like Mn <sub>3</sub> O <sub>4</sub> /CeO <sub>2</sub> microspheres as an efficient catalyst for diesel soot and CO oxidation: Synergistic effects for enhanced catalytic performance. <i>Applied Surface Science</i> , 2019, 473, 209-221.	3.1	75
48	Phytochemicals as Dynamic Surface Ligands To Control Nanoparticle-Protein Interactions. <i>ACS Omega</i> , 2018, 3, 2220-2229.	1.6	30
49	Visible-Light-Triggered Reactive-Oxygen-Species-Mediated Antibacterial Activity of Peroxidase-Mimic CuO Nanorods. <i>ACS Applied Nano Materials</i> , 2018, 1, 1694-1704.	2.4	144
50	Oxygen-deficient photostable Cu <sub>2</sub> O for enhanced visible light photocatalytic activity. <i>Nanoscale</i> , 2018, 10, 6039-6050.	2.8	115
51	Solution-processable do-it-yourself switching devices (DIY devices) based on CuTCNQ metal-organic semiconductors. <i>Applied Materials Today</i> , 2018, 10, 12-17.	2.3	13
52	Black phosphorus: ambient degradation and strategies for protection. <i>2D Materials</i> , 2018, 5, 032001.	2.0	119
53	Nanostructured silver fabric as a free-standing NanoZyme for colorimetric detection of glucose in urine. <i>Biosensors and Bioelectronics</i> , 2018, 110, 8-15.	5.3	221
54	The Toxicity of Silver Nanoparticles (AgNPs) to Three Freshwater Invertebrates With Different Life Strategies: <i>Hydra vulgaris</i> , <i>Daphnia carinata</i> , and <i>Paratya australiensis</i> . <i>Frontiers in Environmental Science</i> , 2018, 6, .	1.5	81

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55	Ligand-mediated reversal of the oxidation state dependent ROS scavenging and enzyme mimicking activity of ceria nanoparticles. <i>Chemical Communications</i> , 2018, 54, 13973-13976.	2.2	48
56	Impact of nanogold morphology on interactions with human serum. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 29558-29565.	1.3	20
57	Fast and Highly Sensitive Detection of Pathogens Wreathed with Magnetic Nanoparticles Using Dark-Field Microscopy. <i>ACS Sensors</i> , 2018, 3, 2175-2181.	4.0	17
58	Data related to the nanoscale structural and compositional evolution in resistance change memories. <i>Data in Brief</i> , 2018, 21, 18-24.	0.5	4
59	Skin color-specific and spectrally-selective naked-eye dosimetry of UVA, B and C radiations. <i>Nature Communications</i> , 2018, 9, 3743.	5.8	89
60	Broadband light active MTCNQ-based metal-organic semiconducting hybrids for enhanced redox catalysis. <i>Applied Materials Today</i> , 2018, 13, 107-115.	2.3	16
61	Cobalt nanoparticles incorporated into hollow doped porous carbon capsules as a highly efficient oxygen reduction electrocatalyst. <i>Catalysis Science and Technology</i> , 2018, 8, 5244-5250.	2.1	17
62	Complexation of plasmid DNA and poly(ethylene oxide)/poly(propylene oxide) polymers for safe gene delivery. <i>Environmental Chemistry Letters</i> , 2018, 16, 1457-1462.	8.3	10
63	Polycyclic Aromatic Hydrocarbons (PAHs) in inland aquatic ecosystems: Perils and remedies through biosensors and bioremediation. <i>Environmental Pollution</i> , 2018, 241, 212-233.	3.7	124
64	One-pot synthesis of maghemite nanocrystals across aqueous and organic solvents for magnetic hyperthermia. <i>Applied Materials Today</i> , 2018, 12, 250-259.	2.3	12
65	Inducing tunable switching behavior in a single memristor. <i>Applied Materials Today</i> , 2018, 11, 280-290.	2.3	21
66	Dynamic multistimuli-responsive reversible chiral transformation in supramolecular helices. <i>Scientific Reports</i> , 2018, 8, 11220.	1.6	30
67	Effects of plasma-treatment on the electrical and optoelectronic properties of layered black phosphorus. <i>Applied Materials Today</i> , 2018, 12, 244-249.	2.3	38
68	Aptamer-based point-of-care diagnostic platforms. <i>Sensors and Actuators B: Chemical</i> , 2017, 246, 535-553.	4.0	167
69	Ambient Protection of Few-Layer Black Phosphorus via Sequestration of Reactive Oxygen Species. <i>Advanced Materials</i> , 2017, 29, 1700152.	11.1	141
70	Soft exfoliation of 2D SnO with size-dependent optical properties. <i>2D Materials</i> , 2017, 4, 025110.	2.0	59
71	Rapid colorimetric detection of mercury using biosynthesized gold nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 532, 451-457.	2.3	57
72	Defining the role of humidity in the ambient degradation of few-layer black phosphorus. <i>2D Materials</i> , 2017, 4, 015025.	2.0	110

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73	Competitive Inhibition of the Enzyme-Mimic Activity of Gd-Based Nanorods toward Highly Specific Colorimetric Sensing of Cysteine. <i>Langmuir</i> , 2017, 33, 10006-10015.	1.6	68
74	Transparent amorphous strontium titanate resistive memories with transient photo-response. <i>Nanoscale</i> , 2017, 9, 14690-14702.	2.8	18
75	Role of Water in the Dynamic Crystallization of CuTCNQ for Enhanced Redox Catalysis (TCNQ = Tj ETQq1 1 0.784314 rgBT /Overlock	1.9	12
76	Degradation of black phosphorus is contingent on UV-blue light exposure. <i>Npj 2D Materials and Applications</i> , 2017, 1, .	3.9	95
77	Gold Nanoparticle Biodistribution and Toxicity: Role of Biological Corona in Relation with Nanoparticle Characteristics. , 2017, , 419-436.		5
78	Galvanic Replacement of Semiconducting CuTCNQF <sub>4</sub> with Ag <sup>+</sup> Ions to Enhance Electron Transfer Reaction. <i>ChemistrySelect</i> , 2017, 2, 9962-9969.	0.7	9
79	Peptide grafted and self-assembled poly(L-glutamic acid)-phenylalanine nanoparticles targeting camptothecin to glioma. <i>Nanomedicine</i> , 2017, 12, 1661-1674.	1.7	10
80	Synthesis of (Z)-1-(1,3-diphenyl-1H-pyrazol-4-yl)-3-(phenylamino)prop-2-en-1-one derivatives as potential anticancer and apoptosis inducing agents. <i>European Journal of Medicinal Chemistry</i> , 2016, 117, 157-166.	2.6	47
81	Nanostructured charge transfer complex of CuTCNQF <sub>4</sub> for efficient photo-removal of hexavalent chromium. <i>RSC Advances</i> , 2016, 6, 33931-33936.	1.7	34
82	Size, shape and surface chemistry of nano-gold dictate its cellular interactions, uptake and toxicity. <i>Progress in Materials Science</i> , 2016, 83, 152-190.	16.0	135
83	Improving Efficacy, Oral Bioavailability, and Delivery of Paclitaxel Using Protein-Grafted Solid Lipid Nanoparticles. <i>Molecular Pharmaceutics</i> , 2016, 13, 3903-3912.	2.3	80
84	Surface Plasmon Resonance: Robust Nanostructured Silver and Copper Fabrics with Localized Surface Plasmon Resonance Property for Effective Visible Light Induced Reductive Catalysis (Adv. Mater.) Tj ETQq0 0 0 rgBT /Overlock 1 10 Tf 50 2		
85	Photomodulation of bacterial growth and biofilm formation using carbohydrate-based surfactants. <i>Chemical Science</i> , 2016, 7, 6628-6634.	3.7	43
86	Rapid, accurate, and comparative differentiation of clinically and industrially relevant microorganisms via multiple vibrational spectroscopic fingerprinting. <i>Analyst</i> , The, 2016, 141, 5127-5136.	1.7	40
87	Microstructure and dynamics of vacancy-induced nanofilamentary switching network in donor doped SrTiO <sub>3</sub> memristors. <i>Nanotechnology</i> , 2016, 27, 505210.	1.3	39
88	Trastuzumab-grafted PAMAM dendrimers for the selective delivery of anticancer drugs to HER2-positive breast cancer. <i>Scientific Reports</i> , 2016, 6, 23179.	1.6	133
89	Robust Nanostructured Silver and Copper Fabrics with Localized Surface Plasmon Resonance Property for Effective Visible Light Induced Reductive Catalysis. <i>Advanced Materials Interfaces</i> , 2016, 3, 1500632.	1.9	46
90	Emerging applications of metal-TCNQ based organic semiconductor charge transfer complexes for catalysis. <i>Catalysis Today</i> , 2016, 278, 319-329.	2.2	48

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91	Cyclic RGDfK Peptide Functionalized Polymeric Nanocarriers for Targeting Gemcitabine to Ovarian Cancer Cells. <i>Molecular Pharmaceutics</i> , 2016, 13, 1491-1500.	2.3	44
92	Synthesis and biological evaluation of 5,10-dihydro-11 H -dibenzo[ b,e ][1,4]diazepin-11-one structural derivatives as anti-cancer and apoptosis inducing agents. <i>European Journal of Medicinal Chemistry</i> , 2016, 108, 674-686.	2.6	56
93	Comparative influence of pH and heat on whey protein isolate in protecting <i>Lactobacillus plantarum</i> A17 during spray drying. <i>Food Hydrocolloids</i> , 2016, 54, 162-169.	5.6	47
94	Linking Flavonoids to Gold – A New Family of Gold Compounds for Potential Therapeutic Applications. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 4275-4279.	1.0	18
95	Donor-Induced Performance Tuning of Amorphous SrTiO <sub>3</sub> Memristive Nanodevices: Multistate Resistive Switching and Mechanical Tunability. <i>Advanced Functional Materials</i> , 2015, 25, 3172-3182.	7.8	68
96	Enhanced Gas Permeation through Graphene Nanocomposites. <i>Journal of Physical Chemistry C</i> , 2015, 119, 13700-13712.	1.5	70
97	Moving forward in plant food safety and security through NanoBioSensors: Adopt or adapt biomedical technologies?. <i>Proteomics</i> , 2015, 15, 1680-1692.	1.3	50
98	Influence of Physicochemical Properties of Nanomaterials on Their Antibacterial Applications. , 2015, , 151-166.		16
99	Synthesis and Properties of Photoswitchable Carbohydrate Fluorosurfactants. <i>Australian Journal of Chemistry</i> , 2015, 68, 1880.	0.5	10
100	A unique in vivo approach for investigating antimicrobial materials utilizing fistulated animals. <i>Scientific Reports</i> , 2015, 5, 11515.	1.6	12
101	Design, synthesis and biological evaluation of 1,3-diphenyl-1 H -pyrazole derivatives containing benzimidazole skeleton as potential anticancer and apoptosis inducing agents. <i>European Journal of Medicinal Chemistry</i> , 2015, 101, 790-805.	2.6	156
102	Charge-switchable gold nanoparticles for enhanced enzymatic thermostability. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 21517-21524.	1.3	34
103	Acoustic-Excitonic Coupling for Dynamic Photoluminescence Manipulation of Quasi-2D MoS <sub>2</sub> Nanoflakes. <i>Advanced Optical Materials</i> , 2015, 3, 888-894.	3.6	39
104	Synthesis and biological evaluation of pyrazolo-triazole hybrids as cytotoxic and apoptosis inducing agents. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 10136-10149.	1.5	75
105	Study of dielectric and mechanical properties of epoxy/SiO <sub>2</sub> nanocomposite prepared by different processing techniques. , 2015, ,		4
106	Low-Temperature Fabrication of Alkali Metal-Organic Charge Transfer Complexes on Cotton Textile for Optoelectronics and Gas Sensing. <i>Langmuir</i> , 2015, 31, 1581-1587.	1.6	51
107	Detect, Remove and Reuse: A New Paradigm in Sensing and Removal of Hg (II) from Wastewater via SERS-Active ZnO/Ag Nanoarrays. <i>Environmental Science &amp; Technology</i> , 2015, 49, 1578-1584.	4.6	122
108	Ionic liquid mediated synthesis of nitrogen, carbon and fluorine-codoped rutile TiO <sub>2</sub> nanorods for improved UV and visible light photocatalysis. <i>RSC Advances</i> , 2015, 5, 1424-1429.	1.7	50

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109	Electrocatalytic and SERS activity of Pt rich Pt-Pb nanostructures formed via the utilisation of in-situ underpotential deposition of lead. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 3345-3357.	1.2	15
110	Hybrid CuTCNQ/AgTCNQ Metal-Organic Charge Transfer Complexes via Galvanic Replacement vs Corrosion-Recrystallization. <i>Advanced Functional Materials</i> , 2014, 24, 7570-7579.	7.8	21
111	Synergistic influence of polyoxometalate surface corona towards enhancing the antibacterial performance of tyrosine-capped Ag nanoparticles. <i>Nanoscale</i> , 2014, 6, 758-765.	2.8	146
112	Hybrid Antibacterial Fabrics with Extremely High Aspect Ratio Ag/AgTCNQ Nanowires. <i>Advanced Functional Materials</i> , 2014, 24, 1047-1053.	7.8	86
113	Bicontinuous cubic phase nanoparticle lipid chemistry affects toxicity in cultured cells. <i>Toxicology Research</i> , 2014, 3, 11-22.	0.9	111
114	Aptamer-Controlled Reversible Inhibition of Gold Nanozyme Activity for Pesticide Sensing. <i>Analytical Chemistry</i> , 2014, 86, 11937-11941.	3.2	271
115	Zinc oxide/silver nanoarrays as reusable SERS substrates with controllable "hot-spots" for highly reproducible molecular sensing. <i>Journal of Colloid and Interface Science</i> , 2014, 436, 251-257.	5.0	97
116	Aptamer-mediated "turn-off/turn-on" nanozyme activity of gold nanoparticles for kanamycin detection. <i>Chemical Communications</i> , 2014, 50, 15856-15859.	2.2	198
117	Antibacterials: Hybrid Antibacterial Fabrics with Extremely High Aspect Ratio Ag/AgTCNQ Nanowires ( <i>Adv. Funct. Mater.</i> 8/2014). <i>Advanced Functional Materials</i> , 2014, 24, 1030-1030.	7.8	1
118	Gold nanospikes based microsensor as a highly accurate mercury emission monitoring system. <i>Scientific Reports</i> , 2014, 4, 6741.	1.6	44
119	Combining the UV-Switchability of Keggin Ions with a Galvanic Replacement Process to Fabricate $\text{TiO}_2$ "Polyoxometalate" Bimetal Nanocomposites for Improved Surface Enhanced Raman Scattering and Solar Light Photocatalysis. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 7007-7013.	4.0	29
120	3-D nanorod arrays of metal-organic KTCNQ semiconductor on textiles for flexible organic electronics. <i>RSC Advances</i> , 2013, 3, 17654.	1.7	40
121	Role of the Templating Approach in Influencing the Suitability of Polymeric Nanocapsules for Drug Delivery: LbL vs SC/MS. <i>Langmuir</i> , 2013, 29, 12212-12219.	1.6	16
122	Electrochemical Control of Photoluminescence in Two-Dimensional $\text{MoS}_2$ Nanoflakes. <i>ACS Nano</i> , 2013, 7, 10083-10093.	7.3	282
123	Probing the effect of charge transfer enhancement in off resonance mode SERS via conjugation of the probe dye between silver nanoparticles and metal substrates. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 12920.	1.3	77
124	Alkali ratio control for lead-free piezoelectric thin films utilizing elemental diffusivities in RF plasma. <i>CrystEngComm</i> , 2013, 15, 7222.	1.3	26
125	Lateral charge propagation effects during the galvanic replacement of electrodeposited MTCNQ (M=Cu, Ag) microstructures with gold and its influence on catalyzed electron transfer reactions. <i>Electrochimica Acta</i> , 2013, 114, 189-197.	2.6	16
126	Aqueous phase synthesis of copper nanoparticles: a link between heavy metal resistance and nanoparticle synthesis ability in bacterial systems. <i>Nanoscale</i> , 2013, 5, 2300-2306.	2.8	158



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127	A new paradigm for signal processing of Raman spectra using a smoothing free algorithm: Coupling continuous wavelet transform with signal removal method. <i>Journal of Raman Spectroscopy</i> , 2013, 44, 608-621.	1.2	36
128	Biomarker discovery and applications for foods and beverages: Proteomics to nanoproteomics. <i>Journal of Proteomics</i> , 2013, 93, 74-92.	1.2	49
129	Decoupling the Effects of the Size, Wall Thickness, and Porosity of Curcumin-Loaded Chitosan Nanocapsules on Their Anticancer Efficacy: Size Is the Winner. <i>Langmuir</i> , 2013, 29, 658-666.	1.6	31
130	Effect of Imidazolium-Based Ionic Liquids on the Nanoscale Morphology of CuTCNQ (TCNQ =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622	1.6	11
131	Fine-Tuning the Antimicrobial Profile of Biocompatible Gold Nanoparticles by Sequential Surface Functionalization Using Polyoxometalates and Lysine. <i>PLoS ONE</i> , 2013, 8, e79676.	1.1	113
132	Inorganic materials using "unusual" microorganisms. <i>Advances in Colloid and Interface Science</i> , 2012, 179-182, 150-168.	7.0	80
133	Mercury vapor sensor enhancement by nanostructured gold deposited on nickel surfaces using galvanic replacement reactions. <i>Journal of Materials Chemistry</i> , 2012, 22, 21395.	6.7	33
134	Self-Assembled Histidine Acid Phosphatase Nanocapsules in Ionic Liquid [BMIM][BF <sub>4</sub> ] as Functional Templates for Hollow Metal Nanoparticles. <i>Langmuir</i> , 2012, 28, 10389-10397.	1.6	14
135	Synthesis of CuTCNQ/Au Microrods by Galvanic Replacement of Semiconducting Phase I CuTCNQ with KAuBr <sub>4</sub> in Aqueous Medium. <i>Inorganic Chemistry</i> , 2012, 51, 8791-8801.	1.9	38
136	Facile Approach for the Dispersion of Regenerated Cellulose in Aqueous System in the Form of Nanoparticles. <i>Biomacromolecules</i> , 2012, 13, 2890-2895.	2.6	99
137	Decoration of TiO <sub>2</sub> Nanotubes with Metal Nanoparticles Using Polyoxometalate as a UV-Switchable Reducing Agent for Enhanced Visible and Solar Light Photocatalysis. <i>Langmuir</i> , 2012, 28, 14470-14475.	1.6	92
138	Comparison of nanostructures obtained from galvanic replacement in water and an ionic liquid for applications in electrocatalysis and SERS. <i>Electrochemistry Communications</i> , 2012, 25, 87-90.	2.3	15
139	Active Control of Silver Nanoparticles Spacing Using Dielectrophoresis for Surface-Enhanced Raman Scattering. <i>Analytical Chemistry</i> , 2012, 84, 4029-4035.	3.2	61
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