Ajeet K Kaushik

List of Publications by Citations

225 papers	8,751 citations	53 h-index	84 g-index
254 ext. papers	11,156 ext. citations	6 avg, IF	6.77 L-index

#	Paper	IF	Citations
225	Nanostructured metal oxide-based biosensors. *NPG Asia Materials*, **2011**, 3, 17-24	10.3	500
224	Iron oxide nanoparticles-chitosan composite based glucose biosensor. *Biosensors and Bioelectronics* , **2008**, 24, 676-83	11.8	376
223	Organic-inorganic hybrid nanocomposite-based gas sensors for environmental monitoring. *Chemical Reviews*, **2015**, 115, 4571-606	68.1	341
222	Alzheimer disease: pathogenesis, diagnostics, and therapeutics. *International Journal of Nanomedicine*, **2019**, 14, 5541-5554	7.3	232
221	Zinc oxide nanoparticles-chitosan composite film for cholesterol biosensor. *Analytica Chimica Acta*, **2008**, 616, 207-13	6.6	217
220	Recent advances in cortisol sensing technologies for point-of-care application. *Biosensors and Bioelectronics*, **2014**, 53, 499-512	11.8	182
219	Sol gel derived nanoporous cerium oxide film for application to cholesterol biosensor. *Electrochemistry Communications*, **2008**, 10, 1246-1249	5.1	182
218	Iron oxide-chitosan nanobiocomposite for urea sensor. *Sensors and Actuators B: Chemical*, **2009**, 138, 572-580	8.5	175
217	Soft Template Synthesis of Super Paramagnetic Fe3O4 Nanoparticles a Novel Technique. *Journal of Inorganic and Organometallic Polymers and Materials*, **2009**, 19, 355-360	3.2	126
216	Getting into the brain: Potential of nanotechnology in the management of NeuroAIDS. *Advanced Drug Delivery Reviews*, **2016**, 103, 202-217	18.5	125
215	Chitosan iron oxide nanobiocomposite based immunosensor for ochratoxin-A. *Electrochemistry Communications*, **2008**, 10, 1364-1368	5.1	115
214	A sensitive electrochemical immunosensor for label-free detection of Zika-virus protein. *Scientific Reports*, **2018**, 8, 9700	4.9	114
213	Rapid Detection of Infectious Envelope Proteins by Magnetoplasmonic Toroidal Metasensors. *ACS Sensors*, **2017**, 2, 1359-1368	9.2	113
212	Nano-biosensors to detect beta-amyloid for Alzheimer disease management. *Biosensors and Bioelectronics*, **2016**, 80, 273-287	11.8	112
211	Nanostructured zinc oxide platform for mycotoxin detection. *Bioelectrochemistry*, **2010**, 77, 75-81	5.6	111
210	Multi-walled carbon nanotubes/sol gel-derived silica/chitosan nanobiocomposite for total cholesterol sensor. *Sensors and Actuators B: Chemical*, **2009**, 137, 727-735	8.5	109
209	Electrochemical cortisol immunosensors based on sonochemically synthesized zinc oxide 1D nanorods and 2D nanoflakes. *Biosensors and Bioelectronics*, **2015**, 63, 124-130	11.8	106

208	Towards detection and diagnosis of Ebola virus disease at point-of-care. *Biosensors and Bioelectronics*, **2016**, 75, 254-72	11.8	104
207	A low-cost miniaturized potentiostat for point-of-care diagnosis. *Biosensors and Bioelectronics*, **2014**, 62, 249-54	11.8	103
206	A nanostructured cerium oxide film-based immunosensor for mycotoxin detection. *Nanotechnology*, **2009**, 20, 055105	3.4	94
205	Nanostructured zinc oxide platform for cholesterol sensor. *Applied Physics Letters*, **2009**, 94, 143901	3.4	91
204	Functionalized terahertz plasmonic metasensors: Femtomolar-level detection of SARS-CoV-2 spike proteins. *Biosensors and Bioelectronics*, **2021**, 177, 112971	11.8	91
203	Zinc oxide-chitosan nanobiocomposite for urea sensor. *Applied Physics Letters*, **2008**, 93, 163903	3.4	90
202	Nanostructured zinc oxide film for urea sensor. *Materials Letters*, **2009**, 63, 2473-2475	3.3	88
201	Electrochemical Cholesterol Sensor Based on Tin Oxide-Chitosan Nanobiocomposite Film. *Electroanalysis*, **2009**, 21, 965-972	3	88
200	Nano-enabled biosensing systems for intelligent healthcare: towards COVID-19 management. *Materials Today Chemistry*, **2020**, 17, 100306	6.2	87
199	Advances in Carbon Nanotubes-Hydrogel Hybrids in Nanomedicine for Therapeutics. *Advanced Healthcare Materials*, **2018**, 7, e1701213	10.1	86
198	An LTCC-based microfluidic system for label-free, electrochemical detection of cortisol. *Sensors and Actuators B: Chemical*, **2013**, 182, 139-146	8.5	86
197	Electrochemical immunosensor for label free epidermal growth factor receptor (EGFR) detection. *Biosensors and Bioelectronics*, **2013**, 39, 300-5	11.8	81
196	Electrochemical SARS-CoV-2 Sensing at Point-of-Care and Artificial Intelligence for Intelligent COVID-19 Management. *ACS Applied Bio Materials*, **2020**, 3, 7306-7325	4.1	80
195	Sustained-release nanoART formulation for the treatment of neuroAIDS. *International Journal of Nanomedicine*, **2015**, 10, 1077-93	7.3	77
194	Extreme sensitive metasensor for targeted biomarkers identification using colloidal nanoparticles-integrated plasmonic unit cells. *Biomedical Optics Express*, **2018**, 9, 373-386	3.5	76
193	Internet of medical things (IoMT)-integrated biosensors for point-of-care testing of infectious diseases. *Biosensors and Bioelectronics*, **2021**, 179, 113074	11.8	74
192	The potential of magneto-electric nanocarriers for drug delivery. *Expert Opinion on Drug Delivery*, **2014**, 11, 1635-46	8	73
191	Nanostructured cerium oxide film for triglyceride sensor. *Sensors and Actuators B: Chemical*, **2009**, 141, 551-556	8.5	72

190	Microglia-derived HIV Nef+ exosome impairment of the blood-brain barrier is treatable by nanomedicine-based delivery of Nef peptides. *Journal of NeuroVirology*, **2016**, 22, 129-39	3.9	71
189	Magnetically guided central nervous system delivery and toxicity evaluation of magneto-electric nanocarriers. *Scientific Reports*, **2016**, 6, 25309	4.9	69
188	Pesticide pollution of River Ghaggar in Haryana, India. *Environmental Monitoring and Assessment*, **2010**, 160, 61-9	3.1	69
187	Mediator free highly sensitive polyaniline□gold hybrid nanocomposite based immunosensor for prostate-specific antigen (PSA) detection. *Journal of Materials Chemistry*, **2012**, 22, 14763		67
186	Electrochemical Biosensors for Early Stage Zika Diagnostics. *Trends in Biotechnology*, **2017**, 35, 308-317	15.1	65
185	Iron oxide-chitosan hybrid nanobiocomposite based nucleic acid sensor for pyrethroid detection. *Biochemical Engineering Journal*, **2009**, 46, 132-140	4.2	65
184	Core-shell nanostructures: perspectives towards drug delivery applications. *Journal of Materials Chemistry B*, **2020**,	7.3	61
183	. *Journal of Microelectromechanical Systems*, **2005**, 14, 359-367	2.5	59
182	Intranasal drug delivery of small interfering RNA targeting Beclin1 encapsulated with polyethylenimine (PEI) in mouse brain to achieve HIV attenuation. *Scientific Reports*, **2017**, 7, 1862	4.9	58
181	Chitosan-iron oxide nano-composite platform for mismatch-discriminating DNA hybridization for Neisseria gonorrhoeae detection causing sexually transmitted disease. *Biosensors and Bioelectronics*, **2011**, 26, 2967-74	11.8	57
180	Recent advances in cytochrome c biosensing technologies. *Biosensors and Bioelectronics*, **2017**, 87, 654-668	10.8	56
179	Cerium oxide-chitosan based nanobiocomposite for food borne mycotoxin detection. *Applied Physics Letters*, **2009**, 95, 173703	3.4	56
178	Current status of non-viral gene therapy for CNS disorders. *Expert Opinion on Drug Delivery*, **2016**, 13, 1433-45	8	55
177	A facile synthesis of Au-nanoparticles decorated PbI single crystalline nanosheets for optoelectronic device applications. *Scientific Reports*, **2018**, 8, 13806	4.9	55
176	Metal oxide□chitosan based nanocomposite for cholesterol biosensor. *Thin Solid Films*, **2009**, 518, 614-620	2.2	54
175	Nanogels as potential drug nanocarriers for CNS drug delivery. *Drug Discovery Today*, **2018**, 23, 1436-1448	6.8	54
174	Magnetically guided non-invasive CRISPR-Cas9/gRNA delivery across blood-brain barrier to eradicate latent HIV-1 infection. *Scientific Reports*, **2019**, 9, 3928	4.9	53
173	Pesticide residues in river Yamuna and its canals in Haryana and Delhi, India. *Environmental Monitoring and Assessment*, **2008**, 144, 329-40	3.1	53

172	Organochlorine pesticide residues in drinking water in the rural areas of Haryana, India. *Environmental Monitoring and Assessment*, **2012**, 184, 103-12	3.1	49
171	Development of magneto-plasmonic nanoparticles for multimodal image-guided therapy to the brain. *Nanoscale*, **2017**, 9, 764-773	7.7	49
170	Personalized nanomedicine for CNS diseases. *Drug Discovery Today*, **2018**, 23, 1007-1015	8.8	49
169	Nanostructured zirconium oxide based genosensor for Escherichia coli detection. *Electrochemistry Communications*, **2009**, 11, 2272-2277	5.1	47
168	Recent trends on hydrogel based drug delivery systems for infectious diseases. *Biomaterials Science* , **2016**, 4, 1535-1553	7.4	45
167	Electrochemical sensing of cortisol: a recent update. *Applied Biochemistry and Biotechnology*, **2014**, 174, 1115-26	3.2	45
166	Mediator and label free estimation of stress biomarker using electrophoretically deposited Ag@AgO-polyaniline hybrid nanocomposite. *Biosensors and Bioelectronics*, **2013**, 50, 35-41	11.8	44
165	Nanostructured Iron Oxide Platform for Impedimetric Cholesterol Detection. *Electroanalysis*, **2010**, 22, 1045-1055	3	43
164	Surface-engineered multimodal magnetic nanoparticles to manage CNS diseases. *Drug Discovery Today*, **2019**, 24, 873-882	8.8	42
163	Prospects of low temperature co-fired ceramic (LTCC) based microfluidic systems for point-of-care biosensing and environmental sensing. *Microfluidics and Nanofluidics*, **2013**, 14, 683-702	2.8	42
162	Emerging nanobiotechnology in agriculture for the management of pesticide residues. *Journal of Hazardous Materials*, **2021**, 401, 123369	12.8	42
161	Perspective—Electrochemical Sensors for Soil Quality Assessment. *Journal of the Electrochemical Society*, **2020**, 167, 037550	3.9	41
160	Cholesterol biosensor based on electrochemically prepared polyaniline conducting polymer film in presence of a nonionic surfactant. *Journal of Polymer Research*, **2009**, 16, 363-373	2.7	41
159	Electrochemical Immunosensing of Saliva Cortisol. *Journal of the Electrochemical Society*, **2014**, 161, B3077-B3082	3.9	41
158	COVID-19: Review of a 21st Century Pandemic from Etiology to Neuro-psychiatric Implications. *Journal of Alzheimer's Disease*, **2020**, 77, 459-504	4.3	39
157	Nanocomposite Hydrogels: Advances in Nanofillers Used for Nanomedicine. *Gels*, **2018**, 4,	4.2	37
156	Chip based single cell analysis for nanotoxicity assessment. *Analyst, The*, **2014**, 139, 2088-98	5	36
155	Carbon nanotubes–chitosan nanobiocomposite for immunosensor. *Thin Solid Films*, **2010**, 519, 1160-1166	2.2	36

154	1D semiconductor nanowires for energy conversion, harvesting and storage applications. *Nano Energy*, **2020**, 76, 104991	17.1	35
153	Silica Nanowires: Growth, Integration, and Sensing Applications. *Mikrochimica Acta*, **2014**, 181, 1759-1780	3.8	34
152	Photoluminescence quenching of Zirconia nanoparticle by surface modification. *Applied Surface Science*, **2015**, 334, 216-221	6.7	34
151	A self assembled monolayer based microfluidic sensor for urea detection. *Nanoscale*, **2011**, 3, 2971-7	7.7	34
150	Grand Challenges in Bio-Nanotechnology to Manage the COVID-19 Pandemic. *Frontiers in Nanotechnology*, **2020**, 2,	5.5	34
149	Nanomedicine for the SARS-CoV-2: State-of-the-Art and Future Prospects. *International Journal of Nanomedicine*, **2021**, 16, 539-560	7.3	34
148	Investigation of ac-magnetic field stimulated nanoelectroporation of magneto-electric nano-drug-carrier inside CNS cells. *Scientific Reports*, **2017**, 7, 45663	4.9	33
147	Electrochemical sensing method for point-of-care cortisol detection in human immunodeficiency virus-infected patients. *International Journal of Nanomedicine*, **2015**, 10, 677-85	7.3	33
146	Point-of-Care Strategies for Detection of Waterborne Pathogens. *Sensors*, **2019**, 19,	3.8	33
145	Self-assembled monolayer based impedimetric platform for food borne mycotoxin detection. *Nanoscale*, **2010**, 2, 2811-7	7.7	33
144	A portable magneto-optical trap with prospects for atom interferometry in civil engineering. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2017**, 375,	3	32
143	Pesticide residues in bovine milk from a predominantly agricultural state of Haryana, India. *Environmental Monitoring and Assessment*, **2007**, 129, 349-57	3.1	32
142	A label-free electrochemical immunosensor for beta-amyloid detection. *Analytical Methods*, **2016**, 8, 6115-6120	3.2	32
141	Gold nanocubes embedded biocompatible hybrid hydrogels for electrochemical detection of HO. *Bioelectrochemistry*, **2020**, 131, 107373	5.6	32
140	Fumed silica nanoparticles□hitosan nanobiocomposite for ochratoxin-A detection. *Electrochemistry Communications*, **2009**, 11, 1919-1923	5.1	31
139	High-performance antiviral nano-systems as a shield to inhibit viral infections: SARS-CoV-2 as a model case study. *Journal of Materials Chemistry B*, **2021**, 9, 4620-4642	7.3	30
138	A molecular model for solid-state polymerization of nylon 6. *Journal of Applied Polymer Science*, **1992**, 45, 507-520	2.9	29
137	Advancements in nano-enabled therapeutics for neuroHIV management. *International Journal of Nanomedicine*, **2016**, 11, 4317-25	7.3	29

136	Ultrasensitive and Reusable Graphene Oxide-Modified Double-Interdigitated Capacitive (DIDC) Sensing Chip for Detecting SARS-CoV-2. *ACS Sensors*, **2021**, 6, 3468-3476	9.2	29
135	Recent Advances in Detection of Ochratoxin-A. *Open Journal of Applied Biosensor*, **2013**, 02, 1-11		28
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133	Hybrid cross-linked polyaniline-WO3 nanocomposite thin film for NO(x) gas sensing. *Journal of Nanoscience and Nanotechnology*, **2009**, 9, 1792-6	1.3	26
132	Selective ion removal and antibacterial activity of silver-doped multi-walled carbon nanotube / polyphenylsulfone nanocomposite membranes. *Materials Chemistry and Physics*, **2019**, 233, 102-112	4.4	25
131	Antidiabetic activity enhancement in streptozotocin + nicotinamide-induced diabetic rats through combinational polymeric nanoformulation. *International Journal of Nanomedicine*, **2019**, 14, 4383-4395	7.3	25
130	Nanomedicine for neuroHIV/AIDS management. *Nanomedicine*, **2018**, 13, 669-673	5.6	25
129	Microfluidic device for trapping and monitoring three dimensional multicell spheroids using electrical impedance spectroscopy. *Biomicrofluidics*, **2013**, 7, 34108	3.2	25
128	Bioresponsive Injectable Hydrogels for On-demand Drug Release and Tissue Engineering. *Current Pharmaceutical Design*, **2017**, 23, 3595-3602	3.3	25
127	One dimensional Au-ZnO hybrid nanostructures based CO2 detection: Growth mechanism and role of the seed layer on sensing performance. *Sensors and Actuators B: Chemical*, **2021**, 337, 129765	8.5	25
126	Microwave-assisted assembly of AgO-ZnO composite nanocones for electrochemical detection of 4-Nitrophenol and assessment of their photocatalytic activity towards degradation of 4-Nitrophenol and Methylene blue dye. *Journal of Hazardous Materials*, **2021**, 416, 125771	12.8	25
125	Electro-Magnetic Nano-Particle Bound Beclin1 siRNA Crosses the Blood-Brain Barrier to Attenuate the Inflammatory Effects of HIV-1 Infection in Vitro. *Journal of NeuroImmune Pharmacology*, **2017**, 12, 120-132	6.9	24
124	Nanoparticle-mediated approaches for Alzheimer's disease pathogenesis, diagnosis, and therapeutics. *Journal of Controlled Release*, **2019**, 314, 125-140	11.7	24
123	Using a glucose meter to quantitatively detect disease biomarkers through a universal nanozyme integrated lateral fluidic sensing platform. *Biosensors and Bioelectronics*, **2019**, 126, 690-696	11.8	24
122	Activated carbon from sugarcane bagasse ash for melanoidins recovery. *Journal of Environmental Management*, **2017**, 200, 29-34	7.9	23
121	Synthesis and optical properties of nanostructured Ce(OH)4. *Journal of Semiconductors*, **2010**, 31, 033001	1.3	23
120	Aspects of Point-of-Care Diagnostics for Personalized Health Wellness. *International Journal of Nanomedicine*, **2021**, 16, 383-402	7.3	23
119	Nanotechnology-assisted liquid crystals-based biosensors: Towards fundamental to advanced applications. *Biosensors and Bioelectronics*, **2020**, 168, 112562	11.8	22

118	Biomedical Nanotechnology Related Grand Challenges and Perspectives. *Frontiers in Nanotechnology*, **2019**, 1,	5.5	22
117	Review Towards 5th Generation AI and IoT Driven Sustainable Intelligent Sensors Based on 2D MXenes and Borophene		22
116	Lasing behavior of surface functionalized carbon quantum dot/RhB composites. *Nanoscale*, **2017**, 9, 5049-5054	7.7	21
115	Electrochemical monitoring-on-chip (E-MoC) of HIV-infection in presence of cocaine and therapeutics. *Biosensors and Bioelectronics*, **2016**, 86, 426-431	11.8	21
114	Polyaniline-carboxymethyl cellulose nanocomposite for cholesterol detection. *Journal of Nanoscience and Nanotechnology*, **2010**, 10, 6479-88	1.3	21
113	Peptide Nucleic Acid Immobilized Biocompatible Silane Nanocomposite Platform for Mycobacterium tuberculosis Detection. *Electroanalysis*, **2010**, 22, 2672-2682	3	21
112	Perspective and prospects of 2D MXenes for smart biosensing. *Materials Letters*, **2021**, 304, 130656	3.3	21
111	Nano-structured arrays for multiplex analyses and Lab-on-a-Chip applications. *Biochemical and Biophysical Research Communications*, **2012**, 419, 316-20	3.4	20
110	Precipitation of iron in microbial mats of the spring waters of Borra Caves, Vishakapatnam, India: some geomicrobiological aspects. *Environmental Geology*, **2008**, 56, 237-243		20
109	Multifunctional Nanotherapeutics for the Treatment of neuroAIDS in Drug Abusers. *Scientific Reports*, **2018**, 8, 12991	4.9	20
108	Inhibition of Amyloid-Beta Production, Associated Neuroinflammation, and Histone Deacetylase 2-Mediated Epigenetic Modifications Prevent Neuropathology in Alzheimer's Disease Model. *Frontiers in Aging Neuroscience*, **2019**, 11, 342	5.3	19
107	Bio-nanocomposite based highly sensitive and label-free electrochemical immunosensor for endometriosis diagnostics application. *Bioelectrochemistry*, **2021**, 139, 107740	5.6	19
106	MRI-Guided, Noninvasive Delivery of Magneto-Electric Drug Nanocarriers to the Brain in a Nonhuman Primate.. *ACS Applied Bio Materials*, **2019**, 2, 4826-4836	4.1	18
105	A Penalty Method to Model Particle Interactions in DNA-Laden Flows. *Journal of Nanoscience and Nanotechnology*, **2008**, 8, 3749-3756	1.3	18
104	Sol-Gel Derived Nanostructured Metal Oxide Platform for Bacterial Detection. *Electroanalysis*, **2011** , 23, 2699-2708	3	17
103	Perspectives on 2D-borophene flatland for smart bio-sensing. *Materials Letters*, **2022**, 308, 131089	3.3	17
102	Lignin: Drug/Gene Delivery and Tissue Engineering Applications. *International Journal of Nanomedicine*, **2021**, 16, 2419-2441	7.3	17
101	Controlled self-assembly of plasmon-based photonic nanocrystals for high performance photonic technologies. *Nano Today*, **2021**, 37, 101072	17.9	17

100	Biosensors for Epilepsy Management: State-of-Art and Future Aspects. *Sensors*, **2019**, 19,	3.8	16
99	Novel nanoformulation to mitigate co-effects of drugs of abuse and HIV-1 infection: towards the treatment of NeuroAIDS. *Journal of NeuroVirology*, **2017**, 23, 603-614	3.9	16
98	Investigation of Neuropathogenesis in HIV-1 Clade B and C Infection Associated with IL-33 and ST2 Regulation. *ACS Chemical Neuroscience*, **2015**, 6, 1600-12	5.7	16
97	Horse radish peroxidase immobilized polyaniline for hydrogen peroxide sensor. *Polymers for Advanced Technologies*, **2011**, 22, 903-908	3.2	16
96	Tailored Biofunctionalized Biosensor for the Label-Free Sensing of Prostate-Specific Antigen.. *ACS Applied Bio Materials*, **2020**, 3, 7821-7830	4.1	16
95	Recalcitrant Issues and New Frontiers in Nano-Pharmacology. *Frontiers in Pharmacology*, **2019**, 10, 1369	5.6	16
94	Development of TIMP1 magnetic nanoformulation for regulation of synaptic plasticity in HIV-1 infection. *International Journal of Nanomedicine*, **2016**, 11, 4287-98	7.3	15
93	Withaferin A Suppresses Beta Amyloid in APP Expressing Cells: Studies for Tat and Cocaine Associated Neurological Dysfunctions. *Frontiers in Aging Neuroscience*, **2018**, 10, 291	5.3	15
92	Clinical Regimens of Favipiravir Inhibit Zika Virus Replication in the Hollow-Fiber Infection Model. *Antimicrobial Agents and Chemotherapy*, **2018**, 62,	5.9	15
91	Bio-acceptable 0D and 1D ZnO nanostructures for cancer diagnostics and treatment. *Materials Today*, **2021**, 50, 533-533	21.8	15
90	Overview on the Current Status of Zika Virus Pathogenesis and Animal Related Research. *Journal of NeuroImmune Pharmacology*, **2017**, 12, 371-388	6.9	14
89	Recovery of antioxidants from sugarcane molasses distillery wastewater and its effect on biomethanation. *Journal of Water Process Engineering*, **2018**, 25, 205-211	6.7	14
88	Antibacterial and antiviral high-performance nano-systems to mitigate new SARS-CoV-2 variants of concerns. *Current Opinion in Biomedical Engineering*, **2021**, 21, 100363	4.4	14
87	Antiviral Effects of Clinically-Relevant Interferon-β and Ribavirin Regimens against Dengue Virus in the Hollow Fiber Infection Model (HFIM). *Viruses*, **2018**, 10,	6.2	14
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85	Advanced green analytical chemistry for environmental pesticide detection. *Current Opinion in Green and Sustainable Chemistry*, **2021**, 30, 100488	7.9	13
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81	Using Graphene-Based Biosensors to Detect Dopamine for Efficient Parkinson's Disease Diagnostics. *Biosensors*, **2021**, 11,	5.9	11
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78	Advances in Personalized Nanotherapeutics **2017**,		10
77	Nanosphere lithography-based platform for developing rapid and high sensitivity microarray systems. *Biochemical and Biophysical Research Communications*, **2012**, 423, 473-7	3.4	10
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73	Perspectives of Manipulative and High-Performance Nanosystems to Manage Consequences of Emerging New Severe Acute Respiratory Syndrome Coronavirus 2 Variants. *Frontiers in Nanotechnology*, **2021**, 3,	5.5	9
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70	Emerging MXene-Polymer Hybrid Nanocomposites for High-Performance Ammonia Sensing and Monitoring. *Nanomaterials*, **2021**, 11,	5.4	9
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65	A flower-like ZnO/Ag2O nanocomposite for label and mediator free direct sensing of dinitrotoluene. *RSC Advances*, **2020**, 10, 27764-27774	3.7	8

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62	Emerging Multimodel Zirconia Nanosystems for High-Performance Biomedical Applications. *Advanced NanoBiomed Research*, **2021**, 1, 2100039	0	8
61	Noble Metal Nanoparticles Incorporated Siliceous TUD-1 Mesoporous Nano-Catalyst for Low-Temperature Oxidation of Carbon Monoxide. *Nanomaterials*, **2020**, 10,	5.4	7
60	Reversible Hydrogen Storage Using Nanocomposites. *Applied Sciences (Switzerland)*, **2020**, 10, 4618	2.6	7
59	The UK National Quantum Technologies Hub in sensors and metrology (Keynote Paper) **2016**,		6
58	Study of structural and optical properties of lead borate glasses containing transition metal ion **2012**,		6
57	Sol–gel derived cerium-oxide–silicon-oxide nanocomposite for cypermethrin detection. *Thin Solid Films*, **2010**, 519, 1122-1127	2.2	6
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53	Highly photocatalytic active r-GO/Fe3O4 nanocomposites development for enhanced photocatalysis application: A facile low-cost preparation and characterization. *Ceramics International*, **2021**, 47, 31973-31982	5.1	6
52	Electro-active silver oxide nanocubes for label free direct sensing of bisphenol A to assure water quality. *Materials Today Chemistry*, **2020**, 16, 100267	6.2	5
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