

Ajeet K Kaushik

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Borophene as an emerging 2D flatland for biomedical applications: current challenges and future prospects.. <i>Journal of Materials Chemistry B</i> , 2022 ,	7.3	5
224	SARS-CoV-2 Omicron variant: A next phase of the COVID-19 pandemic and a call to arms for system sciences and precision medicine.. <i>MedComm</i> , 2022 , 3, e119	2.2	9
223	Perspectives on nano-nutraceuticals to manage pre and post COVID-19 infections.. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2022 , 33, e00712	5.3	5
222	Green-monodispersed Pd-nanoparticles for improved mitigation of pathogens and environmental pollutant. <i>Materials Today Communications</i> , 2022 , 30, 103106	2.5	1
221	Exploring coordination preferences and biological applications of pyridyl-based organochalcogen (Se, Te) ligands. <i>Coordination Chemistry Reviews</i> , 2022 , 450, 214254	23.2	6
220	Perspectives on 2D-borophene flatland for smart bio-sensing. <i>Materials Letters</i> , 2022 , 308, 131089	3.3	17
219	Bacterial Endophytes and Bio-nanotechnology 2022 , 201-212		
218	Exploring nano-enabled CRISPR-Cas-powered strategies for efficient diagnostics and treatment of infectious diseases.. <i>Journal of Nanostructure in Chemistry</i> , 2022 , 1-32	7.6	5
217	Photoelectrochemical oxidation assisted air purifiers; perspective as potential tools to control indoor SARS-CoV-2 Exposure. <i>Applied Surface Science Advances</i> , 2022 , 9, 100236	2.6	3
216	A facile approach to fabricate and embed multifunctional nano ZnO into soap matrix and liquid cleansing products for enhanced antibacterial and photostability for health and hygiene applications. <i>Arabian Journal of Chemistry</i> , 2022 , 15, 103862	5.9	0
215	Multifunctional Carbon Nanomaterials Decorated Molecularly Imprinted Hybrid Polymers for Efficient Electrochemical Antibiotics Sensing. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 107703	6.8	3
214	Nanotechnology-Assisted Metered-Dose Inhalers (MDIs) for High-Performance Pulmonary Drug Delivery Applications.. <i>Pharmaceutical Research</i> , 2022 , 1	4.5	1
213	A flexible immunosensor based on the electrochemically rGO with Au SAM using half-antibody for collagen type I sensing. <i>Applied Surface Science Advances</i> , 2022 , 9, 100258	2.6	1
212	Advancements in MXenes. <i>Engineering Materials</i> , 2022 , 301-324	0.4	1
211	Neurodegenerative disorders management: state-of-art and prospects of nano-biotechnology. <i>Critical Reviews in Biotechnology</i> , 2021 , 1-33	9.4	6
210	A novel biosensing of histamine based on liquid crystal through dielectric and electro-optical approaches. <i>Materials Letters</i> , 2021 , 309, 131323	3.3	0
209	Anti-bacterial efficacy of bio-fabricated silver nanoparticles of aerial part of <i>Moringa oleifera</i> lam: Rapid green synthesis, In-Vitro and In-Silico screening. <i>Biocatalysis and Agricultural Biotechnology</i> , 2021 , 102229	4.2	3

208	Antibacterial and antiviral high-performance nano-systems to mitigate new SARS-CoV-2 variants of concerns. <i>Current Opinion in Biomedical Engineering</i> , 2021 , 21, 100363	4.4	14
207	Spherical silver oxide nanoparticles for fabrication of electrochemical sensor for efficient 4-Nitrotoluene detection and assessment of their antimicrobial activity. <i>Science of the Total Environment</i> , 2021 , 808, 152179	10.2	0
206	Using Graphene-Based Biosensors to Detect Dopamine for Efficient Parkinson Disease Diagnostics. <i>Biosensors</i> , 2021 , 11,	5.9	11
205	Lignin: Drug/Gene Delivery and Tissue Engineering Applications. <i>International Journal of Nanomedicine</i> , 2021 , 16, 2419-2441	7.3	17
204	One-spot fabrication and in-vivo toxicity evaluation of core-shell magnetic nanoparticles. <i>Materials Science and Engineering C</i> , 2021 , 122, 111898	8.3	8
203	Controlled self-assembly of plasmon-based photonic nanocrystals for high performance photonic technologies. <i>Nano Today</i> , 2021 , 37, 101072	17.9	17
202	Functionalized terahertz plasmonic metasensors: Femtomolar-level detection of SARS-CoV-2 spike proteins. <i>Biosensors and Bioelectronics</i> , 2021 , 177, 112971	11.8	91
201	Internet of medical things (IoMT)-integrated biosensors for point-of-care testing of infectious diseases. <i>Biosensors and Bioelectronics</i> , 2021 , 179, 113074	11.8	74
200	Luminescence Behavior of the Ba ₂ HfF ₈ :Dy ³⁺ /Sm ³⁺ Nanophosphor for White Light-Emitting Applications. <i>ACS Applied Electronic Materials</i> , 2021 , 3, 2261-2267	4	0
199	One dimensional Au-ZnO hybrid nanostructures based CO ₂ detection: Growth mechanism and role of the seed layer on sensing performance. <i>Sensors and Actuators B: Chemical</i> , 2021 , 337, 129765	8.5	25
198	Bio-nanocomposite based highly sensitive and label-free electrochemical immunosensor for endometriosis diagnostics application. <i>Bioelectrochemistry</i> , 2021 , 139, 107740	5.6	19
197	Preclinical Western Blot in the Era of Digital Transformation and Reproducible Research, an Eastern Perspective. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2021 , 13, 490-499	3.5	
196	Perspectives of Manipulative and High-Performance Nanosystems to Manage Consequences of Emerging New Severe Acute Respiratory Syndrome Coronavirus 2 Variants. <i>Frontiers in Nanotechnology</i> , 2021 , 3,	5.5	9
195	Aspects of high-performance and bio-acceptable magnetic nanoparticles for biomedical application.. <i>Asian Journal of Pharmaceutical Sciences</i> , 2021 , 16, 704-737	9	11
194	Single-Entity Approach to Investigate Surface Charge Enhancement in Magnetoelectric Nanoparticles Induced by AC Magnetic Field Stimulation. <i>ACS Sensors</i> , 2021 , 6, 340-347	9.2	11
193	Emerging nanobiotechnology in agriculture for the management of pesticide residues. <i>Journal of Hazardous Materials</i> , 2021 , 401, 123369	12.8	42
192	Single-step fabrication of Na-TUD-1 novel heterogeneous base nano-catalyst for Knoevenagel condensation reaction. <i>Journal of Nanostructure in Chemistry</i> , 2021 , 11, 259-269	7.6	4
191	Raman spectroscopy/SERS based immunoassays for cancer diagnostics 2021 , 107-124		

190	Nanotechnology and its application: a review 2021 , 1-33		8
189	Nanotechnology for the Remediation of Heavy Metals 2021 , 145-164		
188	Challenges and future prospects of nano-enabled cancer management 2021 , 229-233		1
187	Nanomedicine for the SARS-CoV-2: State-of-the-Art and Future Prospects. <i>International Journal of Nanomedicine</i> , 2021 , 16, 539-560	7.3	34
186	Exploring biomarkers and diagnostics system for cancer management 2021 , 35-41		
185	Improved Pharmacodynamic Potential of Rosuvastatin by Self-Nanoemulsifying Drug Delivery System: An in vitro and in vivo Evaluation. <i>International Journal of Nanomedicine</i> , 2021 , 16, 905-924	7.3	6
184	Nanomedicine-based cancer immunotherapy: recent trends and future perspectives. <i>Cancer Gene Therapy</i> , 2021 , 28, 911-923	5.4	12
183	Impedimetric and Plasmonic Sensing of Collagen I Using a Half-Antibody-Supported, Au-Modified, Self-Assembled Monolayer System. <i>Biosensors</i> , 2021 , 11,	5.9	2
182	Emerging Multimodal Zirconia Nanosystems for High-Performance Biomedical Applications. <i>Advanced NanoBiomed Research</i> , 2021 , 1, 2100039	0	8
181	Bio-acceptable 0D and 1D ZnO nanostructures for cancer diagnostics and treatment. <i>Materials Today</i> , 2021 , 50, 533-533	21.8	15
180	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. <i>Journal of Hazardous Materials</i> , 2021 , 416, 125771	12.8	25
179	Advanced green analytical chemistry for environmental pesticide detection. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2021 , 30, 100488	7.9	13
178	Ultrasensitive and Reusable Graphene Oxide-Modified Double-Interdigitated Capacitive (DIDC) Sensing Chip for Detecting SARS-CoV-2. <i>ACS Sensors</i> , 2021 , 6, 3468-3476	9.2	29
177	Bio-inspired graphene-based nano-systems for biomedical applications. <i>Nanotechnology</i> , 2021 , 32,	3.4	9
176	Automated predictive analytics tool for rainfall forecasting. <i>Scientific Reports</i> , 2021 , 11, 17704	4.9	3
175	Emerging MXene-Polymer Hybrid Nanocomposites for High-Performance Ammonia Sensing and Monitoring. <i>Nanomaterials</i> , 2021 , 11,	5.4	9
174	Nanobiotechnology-assisted therapies to manage brain cancer in personalized manner. <i>Journal of Controlled Release</i> , 2021 , 338, 224-243	11.7	10
173	Highly photocatalytic active r-GO/Fe ₃ O ₄ nanocomposites development for enhanced photocatalysis application: A facile low-cost preparation and characterization. <i>Ceramics International</i> , 2021 , 47, 31973-31982	5.1	6

172	Perspective and prospects of 2D MXenes for smart biosensing. <i>Materials Letters</i> , 2021 , 304, 130656	3.3	21
171	Aspects of Point-of-Care Diagnostics for Personalized Health Wellness. <i>International Journal of Nanomedicine</i> , 2021 , 16, 383-402	7.3	23
170	High-performance antiviral nano-systems as a shield to inhibit viral infections: SARS-CoV-2 as a model case study. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 4620-4642	7.3	30
169	Inorganic Nanostructures for Brain Tumor Management. <i>NeuroMethods</i> , 2021 , 145-178	0.4	3
168	Development of Multifunctional Biopolymeric Auto-Fluorescent Micro- and Nanogels as a Platform for Biomedical Applications. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 315	5.8	13
167	Nano-enabled biosensing systems for intelligent healthcare: towards COVID-19 management. <i>Materials Today Chemistry</i> , 2020 , 17, 100306	6.2	87
166	Noble Metal Nanoparticles Incorporated Siliceous TUD-1 Mesoporous Nano-Catalyst for Low-Temperature Oxidation of Carbon Monoxide. <i>Nanomaterials</i> , 2020 , 10,	5.4	7
165	Perspective Electrochemical Sensors for Soil Quality Assessment. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 037550	3.9	41
164	1D semiconductor nanowires for energy conversion, harvesting and storage applications. <i>Nano Energy</i> , 2020 , 76, 104991	17.1	35
163	Reversible Hydrogen Storage Using Nanocomposites. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 4618	2.6	7
162	Nanotechnology in Treating HIV in the Brain. <i>Nanoscience and Nanotechnology - Asia</i> , 2020 , 10, 93-94	0.7	1
161	State-of-Art Bio-Assay Systems and Electrochemical Approaches for Nanotoxicity Assessment. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 325	5.8	8
160	Electro-active silver oxide nanocubes for label free direct sensing of bisphenol A to assure water quality. <i>Materials Today Chemistry</i> , 2020 , 16, 100267	6.2	5
159	Energy Storage in Earth-Abundant Dolomite Minerals. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 6679	2.6	4
158	Hydrogels in Tissue Engineering 2020 , 105-122		1
157	Antibacterial Hydrogels and Their Implications 2020 , 123-134		
156	Tailored Biofunctionalized Biosensor for the Label-Free Sensing of Prostate-Specific Antigen.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 7821-7830	4.1	16
155	Real time estimation and suppression of hand tremor for surgical robotic applications. <i>Microsystem Technologies</i> , 2020 , 1	1.7	2

154	Green chemistry-assisted synthesis of biocompatible Ag, Cu, and Fe ₂ O ₃ nanoparticles. <i>Materials Today Chemistry</i> , 2020 , 15, 100214	6.2	10
153	Fabrication of 3D polymeric photonic arrays and related applications. <i>Materials Today Chemistry</i> , 2020 , 15, 100208	6.2	8
152	Nanotechnology-assisted liquid crystals-based biosensors: Towards fundamental to advanced applications. <i>Biosensors and Bioelectronics</i> , 2020 , 168, 112562	11.8	22
151	Core-shell nanostructures: perspectives towards drug delivery applications. <i>Journal of Materials Chemistry B</i> , 2020 ,	7.3	61
150	A flower-like ZnO/Ag ₂ O nanocomposite for label and mediator free direct sensing of dinitrotoluene. <i>RSC Advances</i> , 2020 , 10, 27764-27774	3.7	8
149	Electrochemical SARS-CoV-2 Sensing at Point-of-Care and Artificial Intelligence for Intelligent COVID-19 Management. <i>ACS Applied Bio Materials</i> , 2020 , 3, 7306-7325	4.1	80
148	Emission characteristics of ultrafine particles from bare and AlO coated graphite for high temperature applications. <i>Scientific Reports</i> , 2020 , 10, 14595	4.9	
147	Grand Challenges in Bio-Nanotechnology to Manage the COVID-19 Pandemic. <i>Frontiers in Nanotechnology</i> , 2020 , 2,	5.5	34
146	COVID-19: Review of a 21st Century Pandemic from Etiology to Neuro-psychiatric Implications. <i>Journal of Alzheimer's Disease</i> , 2020 , 77, 459-504	4.3	39
145	Gold nanocubes embedded biocompatible hybrid hydrogels for electrochemical detection of HO. <i>Bioelectrochemistry</i> , 2020 , 131, 107373	5.6	32
144	MRI-Guided, Noninvasive Delivery of Magneto-Electric Drug Nanocarriers to the Brain in a Nonhuman Primate.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 4826-4836	4.1	18
143	Surface-engineered multimodal magnetic nanoparticles to manage CNS diseases. <i>Drug Discovery Today</i> , 2019 , 24, 873-882	8.8	42
142	Selective ion removal and antibacterial activity of silver-doped multi-walled carbon nanotube / polyphenylsulfone nanocomposite membranes. <i>Materials Chemistry and Physics</i> , 2019 , 233, 102-112	4.4	25
141	Antidiabetic activity enhancement in streptozotocin + nicotinamide-induced diabetic rats through combinational polymeric nanoformulation. <i>International Journal of Nanomedicine</i> , 2019 , 14, 4383-4395	7.3	25
140	Magnetically guided non-invasive CRISPR-Cas9/gRNA delivery across blood-brain barrier to eradicate latent HIV-1 infection. <i>Scientific Reports</i> , 2019 , 9, 3928	4.9	53
139	Biosensors for Epilepsy Management: State-of-Art and Future Aspects. <i>Sensors</i> , 2019 , 19,	3.8	16
138	Alzheimer's disease: pathogenesis, diagnostics, and therapeutics. <i>International Journal of Nanomedicine</i> , 2019 , 14, 5541-5554	7.3	232
137	Point-of-Care Strategies for Detection of Waterborne Pathogens. <i>Sensors</i> , 2019 , 19,	3.8	33

136	Nanoparticle-mediated approaches for Alzheimer's disease pathogenesis, diagnosis, and therapeutics. <i>Journal of Controlled Release</i> , 2019 , 314, 125-140	11.7	24
135	Impact of Nanoclay on the pH-Responsiveness and Biodegradable Behavior of Biopolymer-Based Nanocomposite Hydrogels. <i>Gels</i> , 2019 , 5,	4.2	1
134	Inhibition of Amyloid-Beta Production, Associated Neuroinflammation, and Histone Deacetylase 2-Mediated Epigenetic Modifications Prevent Neuropathology in Alzheimer's Disease Model. <i>Frontiers in Aging Neuroscience</i> , 2019 , 11, 342	5.3	19
133	Recalcitrant Issues and New Frontiers in Nano-Pharmacology. <i>Frontiers in Pharmacology</i> , 2019 , 10, 1369	5.6	16
132	Biomedical Nanotechnology Related Grand Challenges and Perspectives. <i>Frontiers in Nanotechnology</i> , 2019 , 1,	5.5	22
131	Using a glucose meter to quantitatively detect disease biomarkers through a universal nanozyme integrated lateral fluidic sensing platform. <i>Biosensors and Bioelectronics</i> , 2019 , 126, 690-696	11.8	24
130	Cell-Line-Based Studies of Nanotechnology Drug-Delivery Systems 2019 , 375-393		4
129	Nanomedicine for neuroHIV/AIDS management. <i>Nanomedicine</i> , 2018 , 13, 669-673	5.6	25
128	Advances in Carbon Nanotubes-Hydrogel Hybrids in Nanomedicine for Therapeutics. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1701213	10.1	86
127	Extreme sensitive metasensor for targeted biomarkers identification using colloidal nanoparticles-integrated plasmonic unit cells. <i>Biomedical Optics Express</i> , 2018 , 9, 373-386	3.5	76
126	Recovery of antioxidants from sugarcane molasses distillery wastewater and its effect on biomethanation. <i>Journal of Water Process Engineering</i> , 2018 , 25, 205-211	6.7	14
125	Personalized nanomedicine for CNS diseases. <i>Drug Discovery Today</i> , 2018 , 23, 1007-1015	8.8	49
124	Antiviral Effects of Clinically-Relevant Interferon- α and Ribavirin Regimens against Dengue Virus in the Hollow Fiber Infection Model (HFIM). <i>Viruses</i> , 2018 , 10,	6.2	14
123	Withaferin A Suppresses Beta Amyloid in APP Expressing Cells: Studies for Tat and Cocaine Associated Neurological Dysfunctions. <i>Frontiers in Aging Neuroscience</i> , 2018 , 10, 291	5.3	15
122	A facile synthesis of Au-nanoparticles decorated Pbl single crystalline nanosheets for optoelectronic device applications. <i>Scientific Reports</i> , 2018 , 8, 13806	4.9	55
121	Nanocomposite Hydrogels: Advances in Nanofillers Used for Nanomedicine. <i>Gels</i> , 2018 , 4,	4.2	37
120	Multifunctional Nanotherapeutics for the Treatment of neuroAIDS in Drug Abusers. <i>Scientific Reports</i> , 2018 , 8, 12991	4.9	20
119	Nanogels as potential drug nanocarriers for CNS drug delivery. <i>Drug Discovery Today</i> , 2018 , 23, 1436-1443	4.8	54

118	Hydrogels: Smart Nanomaterials for Biomedical Applications 2018 , 283-292		2
117	A sensitive electrochemical immunosensor for label-free detection of Zika-virus protein. <i>Scientific Reports</i> , 2018 , 8, 9700	4.9	114
116	Clinical Regimens of Favipiravir Inhibit Zika Virus Replication in the Hollow-Fiber Infection Model. <i>Antimicrobial Agents and Chemotherapy</i> , 2018 , 62,	5.9	15
115	Electro-Magnetic Nano-Particle Bound Beclin1 siRNA Crosses the Blood-Brain Barrier to Attenuate the Inflammatory Effects of HIV-1 Infection in Vitro. <i>Journal of NeuroImmune Pharmacology</i> , 2017 , 12, 120-132	6.9	24
114	Overview on the Current Status of Zika Virus Pathogenesis and Animal Related Research. <i>Journal of NeuroImmune Pharmacology</i> , 2017 , 12, 371-388	6.9	14
113	Intranasal drug delivery of small interfering RNA targeting Beclin1 encapsulated with polyethylenimine (PEI) in mouse brain to achieve HIV attenuation. <i>Scientific Reports</i> , 2017 , 7, 1862	4.9	58
112	Activated carbon from sugarcane bagasse ash for melanoidins recovery. <i>Journal of Environmental Management</i> , 2017 , 200, 29-34	7.9	23
111	Investigation of ac-magnetic field stimulated nanoelectroporation of magneto-electric nano-drug-carrier inside CNS cells. <i>Scientific Reports</i> , 2017 , 7, 45663	4.9	33
110	Lasing behavior of surface functionalized carbon quantum dot/RhB composites. <i>Nanoscale</i> , 2017 , 9, 5049-5054	7.7	21
109	Novel nanoformulation to mitigate co-effects of drugs of abuse and HIV-1 infection: towards the treatment of NeuroAIDS. <i>Journal of NeuroVirology</i> , 2017 , 23, 603-614	3.9	16
108	Rapid Detection of Infectious Envelope Proteins by Magnetoplasmonic Toroidal Metasensors. <i>ACS Sensors</i> , 2017 , 2, 1359-1368	9.2	113
107	Hydrogels: Stimuli Responsive to on-Demand Drug Delivery Systems 2017 , 117-130		4
106	Advances in Personalized Nanotherapeutics 2017 ,		10
105	A portable magneto-optical trap with prospects for atom interferometry in civil engineering. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017 , 375,	3	32
104	Development of magneto-plasmonic nanoparticles for multimodal image-guided therapy to the brain. <i>Nanoscale</i> , 2017 , 9, 764-773	7.7	49
103	Electrochemical Biosensors for Early Stage Zika Diagnostics. <i>Trends in Biotechnology</i> , 2017 , 35, 308-317	15.1	65
102	Recent advances in cytochrome c biosensing technologies. <i>Biosensors and Bioelectronics</i> , 2017 , 87, 654-668	6.8	56
101	Bioresponsive Injectable Hydrogels for On-demand Drug Release and Tissue Engineering. <i>Current Pharmaceutical Design</i> , 2017 , 23, 3595-3602	3.3	25

100	Chapter 1:Journey of Hydrogels to Nanogels: A Decade After. <i>RSC Smart Materials</i> , 2017 , 1-8	0.6	2
99	Chapter 14:Scale-up and Current Clinical Trials for Nanogels in Therapeutics. <i>RSC Smart Materials</i> , 2017 , 283-289	0.6	1
98	Chapter 6:Nanogels for Brain Drug Delivery. <i>RSC Smart Materials</i> , 2017 , 94-108	0.6	
97	Future Prospects and Vision 2017 , 231-234		1
96	Chapter 8:Nanogels for Gene Delivery. <i>RSC Smart Materials</i> , 2017 , 128-142	0.6	
95	Towards detection and diagnosis of Ebola virus disease at point-of-care. <i>Biosensors and Bioelectronics</i> , 2016 , 75, 254-72	11.8	104
94	Recent trends on hydrogel based drug delivery systems for infectious diseases. <i>Biomaterials Science</i> , 2016 , 4, 1535-1553	7.4	45
93	Electrochemical monitoring-on-chip (E-MoC) of HIV-infection in presence of cocaine and therapeutics. <i>Biosensors and Bioelectronics</i> , 2016 , 86, 426-431	11.8	21
92	Microfluidics for Biologists 2016 ,		11
91	Magnetically guided central nervous system delivery and toxicity evaluation of magneto-electric nanocarriers. <i>Scientific Reports</i> , 2016 , 6, 25309	4.9	69
90	The UK National Quantum Technologies Hub in sensors and metrology (Keynote Paper) 2016 ,		6
89	Microglia-derived HIV Nef+ exosome impairment of the blood-brain barrier is treatable by nanomedicine-based delivery of Nef peptides. <i>Journal of NeuroVirology</i> , 2016 , 22, 129-39	3.9	71
88	Nano-biosensors to detect beta-amyloid for Alzheimer's disease management. <i>Biosensors and Bioelectronics</i> , 2016 , 80, 273-287	11.8	112
87	Getting into the brain: Potential of nanotechnology in the management of NeuroAIDS. <i>Advanced Drug Delivery Reviews</i> , 2016 , 103, 202-217	18.5	125
86	Advancements in nano-enabled therapeutics for neuroHIV management. <i>International Journal of Nanomedicine</i> , 2016 , 11, 4317-25	7.3	29
85	TEM Investigation of Nanocarriers Distribution in Mice Brain. <i>Microscopy and Microanalysis</i> , 2016 , 22, 1172-1173	0.5	4
84	Development of TIMP1 magnetic nanoformulation for regulation of synaptic plasticity in HIV-1 infection. <i>International Journal of Nanomedicine</i> , 2016 , 11, 4287-98	7.3	15
83	A label-free electrochemical immunosensor for beta-amyloid detection. <i>Analytical Methods</i> , 2016 , 8, 6115-6120	3.2	32

82	Current status of non-viral gene therapy for CNS disorders. <i>Expert Opinion on Drug Delivery</i> , 2016 , 13, 1433-45	8	55
81	Organic-inorganic hybrid nanocomposite-based gas sensors for environmental monitoring. <i>Chemical Reviews</i> , 2015 , 115, 4571-606	68.1	341
80	Electrochemical sensing method for point-of-care cortisol detection in human immunodeficiency virus-infected patients. <i>International Journal of Nanomedicine</i> , 2015 , 10, 677-85	7.3	33
79	Electrochemical cortisol immunosensors based on sonochemically synthesized zinc oxide 1D nanorods and 2D nanoflakes. <i>Biosensors and Bioelectronics</i> , 2015 , 63, 124-130	11.8	106
78	Therapeutical Neurotargeting via Magnetic Nanocarrier: Implications to Opiate-Induced Neuropathogenesis and NeuroAIDS. <i>Journal of Biomedical Nanotechnology</i> , 2015 , 11, 1722-33	4	27
77	Investigation of Neuropathogenesis in HIV-1 Clade B and C Infection Associated with IL-33 and ST2 Regulation. <i>ACS Chemical Neuroscience</i> , 2015 , 6, 1600-12	5.7	16
76	Sustained-release nanoART formulation for the treatment of neuroAIDS. <i>International Journal of Nanomedicine</i> , 2015 , 10, 1077-93	7.3	77
75	Photoluminescence quenching of Zirconia nanoparticle by surface modification. <i>Applied Surface Science</i> , 2015 , 334, 216-221	6.7	34
74	Nanostructured Gas Sensors for Health Care: An Overview 2015 , 1, 10-23		4
73	Process modeling for advanced device technologies. <i>Journal of Computational Electronics</i> , 2014 , 13, 18-328		8
72	Recent advances in cortisol sensing technologies for point-of-care application. <i>Biosensors and Bioelectronics</i> , 2014 , 53, 499-512	11.8	182
71	Electrochemical Immunosensing of Saliva Cortisol. <i>Journal of the Electrochemical Society</i> , 2014 , 161, B3037-B3042	3.7	14
70	Chip based single cell analysis for nanotoxicity assessment. <i>Analyst, The</i> , 2014 , 139, 2088-98	5	36
69	A low-cost miniaturized potentiostat for point-of-care diagnosis. <i>Biosensors and Bioelectronics</i> , 2014 , 62, 249-54	11.8	103
68	Silica Nanowires: Growth, Integration, and Sensing Applications. <i>Mikrochimica Acta</i> , 2014 , 181, 1759-1789	9.8	34
67	Electrochemical sensing of cortisol: a recent update. <i>Applied Biochemistry and Biotechnology</i> , 2014 , 174, 1115-26	3.2	45
66	The potential of magneto-electric nanocarriers for drug delivery. <i>Expert Opinion on Drug Delivery</i> , 2014 , 11, 1635-46	8	73
65	Seasonal trends in organochlorine pesticide residues in raw bovine milk from rural areas of Haryana, India. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2014 , 92, 15-22	2.7	5

64	Mediator and label free estimation of stress biomarker using electrophoretically deposited Ag@AgO-polyaniline hybrid nanocomposite. <i>Biosensors and Bioelectronics</i> , 2013 , 50, 35-41	11.8	44
63	Organochlorine pesticide residues in fodder from rural areas of Haryana, India. <i>Toxicological and Environmental Chemistry</i> , 2013 , 95, 69-81	1.4	5
62	Recent Advances in Detection of Ochratoxin-A. <i>Open Journal of Applied Biosensor</i> , 2013 , 02, 1-11		28
61	An LTCC-based microfluidic system for label-free, electrochemical detection of cortisol. <i>Sensors and Actuators B: Chemical</i> , 2013 , 182, 139-146	8.5	86
60	Electrochemical immunosensor for label free epidermal growth factor receptor (EGFR) detection. <i>Biosensors and Bioelectronics</i> , 2013 , 39, 300-5	11.8	81
59	Prospects of low temperature co-fired ceramic (LTCC) based microfluidic systems for point-of-care biosensing and environmental sensing. <i>Microfluidics and Nanofluidics</i> , 2013 , 14, 683-702	2.8	42
58	Microfluidic device for trapping and monitoring three dimensional multicell spheroids using electrical impedance spectroscopy. <i>Biomicrofluidics</i> , 2013 , 7, 34108	3.2	25
57	Organochlorine pesticide residues in drinking water in the rural areas of Haryana, India. <i>Environmental Monitoring and Assessment</i> , 2012 , 184, 103-12	3.1	49
56	Nano-structured arrays for multiplex analyses and Lab-on-a-Chip applications. <i>Biochemical and Biophysical Research Communications</i> , 2012 , 419, 316-20	3.4	20
55	Nanosphere lithography-based platform for developing rapid and high sensitivity microarray systems. <i>Biochemical and Biophysical Research Communications</i> , 2012 , 423, 473-7	3.4	10
54	Mediator free highly sensitive polyaniline-gold hybrid nanocomposite based immunosensor for prostate-specific antigen (PSA) detection. <i>Journal of Materials Chemistry</i> , 2012 , 22, 14763		67
53	Organochlorine pesticide residues in human blood samples collected from Haryana, India and the changing pattern. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2012 , 89, 587-91	2.7	8
52	Study of structural and optical properties of lead borate glasses containing transition metal ion 2012 ,		6
51	Nanostructured metal oxide-based biosensors. <i>NPG Asia Materials</i> , 2011 , 3, 17-24	10.3	500
50	Chitosan-iron oxide nano-composite platform for mismatch-discriminating DNA hybridization for Neisseria gonorrhoeae detection causing sexually transmitted disease. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 2967-74	11.8	57
49	Horse radish peroxidase immobilized polyaniline for hydrogen peroxide sensor. <i>Polymers for Advanced Technologies</i> , 2011 , 22, 903-908	3.2	16
48	Sol-Gel Derived Nanostructured Metal Oxide Platform for Bacterial Detection. <i>Electroanalysis</i> , 2011 , 23, 2699-2708	3	17
47	A self assembled monolayer based microfluidic sensor for urea detection. <i>Nanoscale</i> , 2011 , 3, 2971-7	7.7	34

46	Polyaniline-carboxymethyl cellulose nanocomposite for cholesterol detection. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 6479-88	1.3	21
45	Synthesis and optical properties of nanostructured Ce(OH) ₄ . <i>Journal of Semiconductors</i> , 2010 , 31, 033001.3	1.3	23
44	Self-assembled monolayer based impedimetric platform for food borne mycotoxin detection. <i>Nanoscale</i> , 2010 , 2, 2811-7	7.7	33
43	Nanostructured zinc oxide platform for mycotoxin detection. <i>Bioelectrochemistry</i> , 2010 , 77, 75-81	5.6	111
42	Pesticide pollution of River Ghaggar in Haryana, India. <i>Environmental Monitoring and Assessment</i> , 2010 , 160, 61-9	3.1	69
41	Nanostructured Iron Oxide Platform for Impedimetric Cholesterol Detection. <i>Electroanalysis</i> , 2010 , 22, 1045-1055	3	43
40	Peptide Nucleic Acid Immobilized Biocompatible Silane Nanocomposite Platform for Mycobacterium tuberculosis Detection. <i>Electroanalysis</i> , 2010 , 22, 2672-2682	3	21
39	Sol-gel derived cerium-oxide/silicon-oxide nanocomposite for cypermethrin detection. <i>Thin Solid Films</i> , 2010 , 519, 1122-1127	2.2	6
38	Carbon nanotubes-chitosan nanobiocomposite for immunosensor. <i>Thin Solid Films</i> , 2010 , 519, 1160-1166.2	2.2	36
37	Hybrid cross-linked polyaniline-WO ₃ nanocomposite thin film for NO(x) gas sensing. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 1792-6	1.3	26
36	Nanostructured zinc oxide film for urea sensor. <i>Materials Letters</i> , 2009 , 63, 2473-2475	3.3	88
35	Electrochemical Cholesterol Sensor Based on Tin Oxide-Chitosan Nanobiocomposite Film. <i>Electroanalysis</i> , 2009 , 21, 965-972	3	88
34	Iron oxide-chitosan nanobiocomposite for urea sensor. <i>Sensors and Actuators B: Chemical</i> , 2009 , 138, 572-580	8.5	175
33	Nanostructured cerium oxide film for triglyceride sensor. <i>Sensors and Actuators B: Chemical</i> , 2009 , 141, 551-556	8.5	72
32	Soft Template Synthesis of Super Paramagnetic Fe ₃ O ₄ Nanoparticles a Novel Technique. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2009 , 19, 355-360	3.2	126
31	Cholesterol biosensor based on electrochemically prepared polyaniline conducting polymer film in presence of a nonionic surfactant. <i>Journal of Polymer Research</i> , 2009 , 16, 363-373	2.7	41
30	Immobilization of cholesterol oxidase onto electrochemically polymerized film of biocompatible polyaniline-Triton X-100. <i>Materials Science and Engineering C</i> , 2009 , 29, 1399-1403	8.3	12
29	Fumed silica nanoparticles-chitosan nanobiocomposite for ochratoxin-A detection. <i>Electrochemistry Communications</i> , 2009 , 11, 1919-1923	5.1	31

28	Nanostructured zirconium oxide based genosensor for Escherichia coli detection. <i>Electrochemistry Communications</i> , 2009 , 11, 2272-2277	5.1	47
27	Metal oxide-chitosan based nanocomposite for cholesterol biosensor. <i>Thin Solid Films</i> , 2009 , 518, 614-620.	2.2	54
26	Multi-walled carbon nanotubes/sol-gel-derived silica/chitosan nanobiocomposite for total cholesterol sensor. <i>Sensors and Actuators B: Chemical</i> , 2009 , 137, 727-735	8.5	109
25	Iron oxide-chitosan hybrid nanobiocomposite based nucleic acid sensor for pyrethroid detection. <i>Biochemical Engineering Journal</i> , 2009 , 46, 132-140	4.2	65
24	Cerium oxide-chitosan based nanobiocomposite for food borne mycotoxin detection. <i>Applied Physics Letters</i> , 2009 , 95, 173703	3.4	56
23	Nanostructured zinc oxide platform for cholesterol sensor. <i>Applied Physics Letters</i> , 2009 , 94, 143901	3.4	91
22	A nanostructured cerium oxide film-based immunosensor for mycotoxin detection. <i>Nanotechnology</i> , 2009 , 20, 055105	3.4	94
21	Zinc oxide-chitosan nanobiocomposite for urea sensor. <i>Applied Physics Letters</i> , 2008 , 93, 163903	3.4	90
20	A Penalty Method to Model Particle Interactions in DNA-Laden Flows. <i>Journal of Nanoscience and Nanotechnology</i> , 2008 , 8, 3749-3756	1.3	18
19	Iron oxide nanoparticles-chitosan composite based glucose biosensor. <i>Biosensors and Bioelectronics</i> , 2008 , 24, 676-83	11.8	376
18	Pesticide residues in river Yamuna and its canals in Haryana and Delhi, India. <i>Environmental Monitoring and Assessment</i> , 2008 , 144, 329-40	3.1	53
17	Precipitation of iron in microbial mats of the spring waters of Borra Caves, Vishakapatnam, India: some geomicrobiological aspects. <i>Environmental Geology</i> , 2008 , 56, 237-243		20
16	Chitosan-iron oxide nanobiocomposite based immunosensor for ochratoxin-A. <i>Electrochemistry Communications</i> , 2008 , 10, 1364-1368	5.1	115
15	Zinc oxide nanoparticles-chitosan composite film for cholesterol biosensor. <i>Analytica Chimica Acta</i> , 2008 , 616, 207-13	6.6	217
14	Sol-gel derived nanoporous cerium oxide film for application to cholesterol biosensor. <i>Electrochemistry Communications</i> , 2008 , 10, 1246-1249	5.1	182
13	Fabrication and Characterization of Polyaniline-ZnO Hybrid Nanocomposite Thin Films. <i>Journal of Nanoscience and Nanotechnology</i> , 2008 , 8, 1757-1761	1.3	5
12	Fabrication and characterization of polyaniline-znO hybrid nanocomposite thin films. <i>Journal of Nanoscience and Nanotechnology</i> , 2008 , 8, 1757-61	1.3	2
11	Pesticide residues in bovine milk from a predominantly agricultural state of Haryana, India. <i>Environmental Monitoring and Assessment</i> , 2007 , 129, 349-57	3.1	32

10	Dynamic Effects in Microparticle Pull-Off Using an AFM. <i>Particulate Science and Technology</i> , 2007 , 25, 387-399	2	4
9	Evaluation of Antimicrobial Potential of <i>Alseodaphne andersonii</i> . Leaf Extracts against Pathogenic Bacteria. <i>Pharmaceutical Biology</i> , 2007 , 45, 60-63	3.8	2
8	. <i>Journal of Microelectromechanical Systems</i> , 2005 , 14, 359-367	2.5	59
7	Heavy metal pollution in various canals originating from river Yamuna in Haryana. <i>Journal of Environmental Biology</i> , 2003 , 24, 331-7	1.6	4
6	Heavy metal pollution of river Yamuna in the industrially developing state of Haryana. <i>Indian Journal of Environmental Health</i> , 2001 , 43, 164-8		2
5	A molecular model for solid-state polymerization of nylon 6. <i>Journal of Applied Polymer Science</i> , 1992 , 45, 507-520	2.9	29
4	Self-focusing and harmonic generation of electromagnetic beams in an axially inhomogeneous plasma. <i>Journal Physics D: Applied Physics</i> , 1977 , 10, 371-381	3	2
3	Novel synthesis of amorphous CP@HfO ₂ nanomaterials for high-performance electrochemical sensing of 2-naphthol. <i>Journal of Nanostructure in Chemistry</i> , 1	7.6	0
2	A highly stable, selective, and high-performance VOC sensor using a SnS ₂ nano-lotus structure. <i>Journal of Materials Chemistry C</i> ,	7.1	9
1	Review Towards 5th Generation AI and IoT Driven Sustainable Intelligent Sensors Based on 2D MXenes and Borophene		22