

Ajeet K Kaushik

List of Publications by Year in descending order

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Version: 2024-02-01

246
papers

13,385
citations

19657

61
h-index

31849

101
g-index

254
all docs

254
docs citations

254
times ranked

13901
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel synthesis of amorphous CP@HfO ₂ nanomaterials for high-performance electrochemical sensing of 2-naphthol. <i>Journal of Nanostructure in Chemistry</i> , 2023, 13, 423-438.	9.1	3
2	Real time estimation and suppression of hand tremor for surgical robotic applications. <i>Microsystem Technologies</i> , 2022, 28, 305-311.	2.0	6
3	NIR-based Sensing System for Non-invasive Detection of Hemoglobin for Point-of-care Applications. <i>Current Medical Imaging</i> , 2022, 18, 532-545.	0.8	2
4	Exploring coordination preferences and biological applications of pyridyl-based organochalcogen (Se, Te) ligands. <i>Coordination Chemistry Reviews</i> , 2022, 450, 214254.	18.8	29
5	Perspectives on 2D-borophene flatland for smart bio-sensing. <i>Materials Letters</i> , 2022, 308, 131089.	2.6	47
6	Neurodegenerative disorders management: state-of-art and prospects of nano-biotechnology. <i>Critical Reviews in Biotechnology</i> , 2022, 42, 1180-1212.	9.0	22
7	A novel biosensing of histamine based on liquid crystal through dielectric and electro-optical approaches. <i>Materials Letters</i> , 2022, 309, 131323.	2.6	2
8	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> , 2022, 39, 102229.	3.1	14
9	Antibacterial and antiviral high-performance nanosystems to mitigate new SARS-CoV-2 variants of concern. <i>Current Opinion in Biomedical Engineering</i> , 2022, 21, 100363.	3.4	41
10	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> , 2022, 808, 152179.	8.0	16
11	Green-monodispersed Pd-nanoparticles for improved mitigation of pathogens and environmental pollutant. <i>Materials Today Communications</i> , 2022, 30, 103106.	1.9	6
12	Borophene as an emerging 2D flatland for biomedical applications: current challenges and future prospects. <i>Journal of Materials Chemistry B</i> , 2022, 10, 1146-1175.	5.8	31
13	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.	7.2	45
14	Perspectives on nano-nutraceuticals to manage pre and post COVID-19 infections. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2022, 33, e00712.	4.4	24
15	Progressive evaluation in spectroscopic sensors for non-invasive blood haemoglobin analysis—a review. <i>Physiological Measurement</i> , 2022, 43, 02TR02.	2.1	2
16	Exploring nano-enabled CRISPR-Cas-powered strategies for efficient diagnostics and treatment of infectious diseases. <i>Journal of Nanostructure in Chemistry</i> , 2022, 12, 833-864.	9.1	31
17	Review—Towards 5th Generation AI and IoT Driven Sustainable Intelligent Sensors Based on 2D MXenes and Borophene. , 2022, 1, 013601.		238
18	Aducanumab and adenoviral COVID-19 vaccines: increased cerebral hemorrhage risk?. <i>Expert Review of Neurotherapeutics</i> , 2022, , 1-4.	2.8	1

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19	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.	6.8	20
20	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.	4.9	8
21	Multifunctional carbon nanomaterials decorated molecularly imprinted hybrid polymers for efficient electrochemical antibiotics sensing. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107703.	6.7	20
22	Nanotechnology-Assisted Metered-Dose Inhalers (MDIs) for High-Performance Pulmonary Drug Delivery Applications. <i>Pharmaceutical Research</i> , 2022, 39, 2831-2855.	3.5	25
23	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.	6.8	13
24	Advancements in MXenes. <i>Engineering Materials</i> , 2022, , 301-324.	0.6	18
25	Emergence of MXene-Polymer Hybrid Nanocomposites as High-Performance Next-Generation Chemiresistors for Efficient Air Quality Monitoring. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	77
26	CRISPR-Cas9-Based Technology and Its Relevance to Gene Editing in Parkinson's Disease. <i>Pharmaceutics</i> , 2022, 14, 1252.	4.5	18
27	<i>Ginkgo biloba</i> in the management of the COVID-19 severity. <i>Archiv Der Pharmazie</i> , 2022, 355, .	4.1	21
28	Performance evaluation of activated carbon sorbents for indoor air purification during normal and wildfire events. <i>Chemosphere</i> , 2022, 304, 135314.	8.2	7
29	Hemolytic anemia in COVID-19. <i>Annals of Hematology</i> , 2022, 101, 1887-1895.	1.8	24
30	De-coding Ag as an efficient antimicrobial nano-system for controlling cellular/biological functions. <i>Matter</i> , 2022, 5, 1995-1998.	10.0	34
31	Manipulative magnetic nanomedicine: the future of COVID-19 pandemic/endemic therapy. <i>Expert Opinion on Drug Delivery</i> , 2021, 18, 531-534.	5.0	43
32	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.	7.8	17
33	Emerging nanobiotechnology in agriculture for the management of pesticide residues. <i>Journal of Hazardous Materials</i> , 2021, 401, 123369.	12.4	90
34	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.	9.1	7
35	Raman spectroscopy/SERS based immunoassays for cancer diagnostics. , 2021, , 107-124.		1
36	Nanotechnology and its application: a review. , 2021, , 1-33.		21

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37	Nanotechnology for the Remediation of Heavy Metals. , 2021, , 145-164.		1
38	Challenges and future prospects of nano-enabled cancer management. , 2021, , 229-233.		3
39	Nanomedicine for the SARS-CoV-2: State-of-the-Art and Future Prospects. International Journal of Nanomedicine, 2021, Volume 16, 539-560.	6.7	62
40	Exploring biomarkers and diagnostics system for cancer management. , 2021, , 35-41.		1
41	A highly stable, selective, and high-performance VOC sensor using a SnS ₂ nano-lotus structure. Journal of Materials Chemistry C, 2021, 9, 7713-7725.	5.5	34
42	Support of intelligent emergent materials to combat COVID-19 pandemic. Emergent Materials, 2021, 4, 1-2.	5.7	19
43	Improved Pharmacodynamic Potential of Rosuvastatin by Self-Nanoemulsifying Drug Delivery System: An in vitro and in vivo Evaluation. International Journal of Nanomedicine, 2021, Volume 16, 905-924.	6.7	32
44	Detection of Surface Charge Enhancement in Magnetoelectric Nanoparticles Induced by AC Magnetic Field Stimulation using Single Entity Approach. Biophysical Journal, 2021, 120, 271a.	0.5	0
45	Nanomedicine-based cancer immunotherapy: recent trends and future perspectives. Cancer Gene Therapy, 2021, 28, 911-923.	4.6	44
46	Bio-Active Free Direct Optical Sensing of Aflatoxin B1 and Ochratoxin A Using a Manganese Oxide Nano-System. Frontiers in Nanotechnology, 2021, 2, .	4.8	10
47	Lignin: Drug/Gene Delivery and Tissue Engineering Applications. International Journal of Nanomedicine, 2021, Volume 16, 2419-2441.	6.7	59
48	One-spot fabrication and in-vivo toxicity evaluation of core-shell magnetic nanoparticles. Materials Science and Engineering C, 2021, 122, 111898.	7.3	17
49	Controlled self-assembly of plasmon-based photonic nanocrystals for high performance photonic technologies. Nano Today, 2021, 37, 101072.	11.9	51
50	Functionalized terahertz plasmonic metasensors: Femtomolar-level detection of SARS-CoV-2 spike proteins. Biosensors and Bioelectronics, 2021, 177, 112971.	10.1	203
51	Internet of medical things (IoMT)-integrated biosensors for point-of-care testing of infectious diseases. Biosensors and Bioelectronics, 2021, 179, 113074.	10.1	203
52	Luminescence Behavior of the Ba ₂ HfF ₈ :Dy ³⁺ /Sm ³⁺ Nanophosphor for White Light-Emitting Applications. ACS Applied Electronic Materials, 2021, 3, 2261-2267.	4.3	4
53	One dimensional Au-ZnO hybrid nanostructures based CO ₂ detection: Growth mechanism and role of the seed layer on sensing performance. Sensors and Actuators B: Chemical, 2021, 337, 129765.	7.8	68
54	Bio-nanocomposite based highly sensitive and label-free electrochemical immunosensor for endometriosis diagnostics application. Bioelectrochemistry, 2021, 139, 107740.	4.6	43

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55	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.	3.6	0
56	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, .	4.8	21
57	Aspects of high-performance and bio-acceptable magnetic nanoparticles for biomedical application. <i>Asian Journal of Pharmaceutical Sciences</i> , 2021, 16, 704-737.	9.1	40
58	Impedimetric and Plasmonic Sensing of Collagen I Using a Half-Antibody-Supported, Au-Modified, Self-Assembled Monolayer System. <i>Biosensors</i> , 2021, 11, 227.	4.7	6
59	Emerging Multimodal Zirconia Nanosystems for High-Performance Biomedical Applications. <i>Advanced NanoBiomed Research</i> , 2021, 1, 2100039.	3.6	17
60	Bio-acceptable 0D and 1D ZnO nanostructures for cancer diagnostics and treatment. <i>Materials Today</i> , 2021, 50, 533-569.	14.2	95
61	Microwave-assisted assembly of Ag ₂ O-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.	12.4	87
62	Advanced green analytical chemistry for environmental pesticide detection. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2021, 30, 100488.	5.9	27
63	From Nanosystems to a Biosensing Prototype for an Efficient Diagnostic: A Special Issue in Honor of Professor Bansi D. Malhotra. <i>Biosensors</i> , 2021, 11, 359.	4.7	32
64	Editorial: National Conference on Nano/Bio-Technology 2019, India. <i>Frontiers in Nanotechnology</i> , 2021, 3, .	4.8	0
65	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.	7.8	85
66	Bio-inspired graphene-based nano-systems for biomedical applications. <i>Nanotechnology</i> , 2021, 32, 502001.	2.6	38
67	Automated predictive analytics tool for rainfall forecasting. <i>Scientific Reports</i> , 2021, 11, 17704.	3.3	13
68	Emerging MXene-Polymer Hybrid Nanocomposites for High-Performance Ammonia Sensing and Monitoring. <i>Nanomaterials</i> , 2021, 11, 2496.	4.1	55
69	Nanobiotechnology-assisted therapies to manage brain cancer in personalized manner. <i>Journal of Controlled Release</i> , 2021, 338, 224-243.	9.9	38
70	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.	4.8	25
71	Perspective and prospects of 2D MXenes for smart biosensing. <i>Materials Letters</i> , 2021, 304, 130656.	2.6	65
72	Aspects of Point-of-Care Diagnostics for Personalized Health Wellness. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 383-402.	6.7	43

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73	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.	5.8	56
74	Inorganic Nanostructures for Brain Tumor Management. <i>Neuromethods</i> , 2021, , 145-178.	0.3	4
75	Using Graphene-Based Biosensors to Detect Dopamine for Efficient Parkinson's Disease Diagnostics. <i>Biosensors</i> , 2021, 11, 433.	4.7	36
76	Nanotheranostic, Next Generation Prerequisite for Better Health. <i>Journal of Nanotheranostics</i> , 2020, 1, 1-5.	3.1	3
77	Gold nanocubes embedded biocompatible hybrid hydrogels for electrochemical detection of H ₂ O ₂ . <i>Bioelectrochemistry</i> , 2020, 131, 107373.	4.6	50
78	Green chemistry-assisted synthesis of biocompatible Ag, Cu, and Fe ₂ O ₃ nanoparticles. <i>Materials Today Chemistry</i> , 2020, 15, 100214.	3.5	19
79	Fabrication of 3D polymeric photonic arrays and related applications. <i>Materials Today Chemistry</i> , 2020, 15, 100208.	3.5	10
80	Nanotechnology-assisted liquid crystals-based biosensors: Towards fundamental to advanced applications. <i>Biosensors and Bioelectronics</i> , 2020, 168, 112562.	10.1	41
81	Core-shell nanostructures: perspectives towards drug delivery applications. <i>Journal of Materials Chemistry B</i> , 2020, 8, 8992-9027.	5.8	127
82	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.	3.6	30
83	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.	4.6	171
84	Emission characteristics of ultrafine particles from bare and Al ₂ O ₃ coated graphite for high temperature applications. <i>Scientific Reports</i> , 2020, 10, 14595.	3.3	0
85	Grand Challenges in Bio-Nanotechnology to Manage the COVID-19 Pandemic. <i>Frontiers in Nanotechnology</i> , 2020, 2, .	4.8	56
86	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.	2.6	63
87	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.	4.1	26
88	Nano-enabled biosensing systems for intelligent healthcare: towards COVID-19 management. <i>Materials Today Chemistry</i> , 2020, 17, 100306.	3.5	140
89	Noble Metal Nanoparticles Incorporated Siliceous TUD-1 Mesoporous Nano-Catalyst for Low-Temperature Oxidation of Carbon Monoxide. <i>Nanomaterials</i> , 2020, 10, 1067.	4.1	10
90	Perspective Electrochemical Sensors for Soil Quality Assessment. <i>Journal of the Electrochemical Society</i> , 2020, 167, 037550.	2.9	80

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91	1D semiconductor nanowires for energy conversion, harvesting and storage applications. Nano Energy, 2020, 76, 104991.	16.0	70
92	Reversible Hydrogen Storage Using Nanocomposites. Applied Sciences (Switzerland), 2020, 10, 4618.	2.5	22
93	Nanotechnology in Treating HIV in the Brain. Nanoscience and Nanotechnology - Asia, 2020, 10, 93-94.	0.7	1
94	State-of-Art Bio-Assay Systems and Electrochemical Approaches for Nanotoxicity Assessment. Frontiers in Bioengineering and Biotechnology, 2020, 8, 325.	4.1	10
95	Electro-active silver oxide nanocubes for label free direct sensing of bisphenol A to assure water quality. Materials Today Chemistry, 2020, 16, 100267.	3.5	11
96	Tailored Biofunctionalized Biosensor for the Label-Free Sensing of Prostate-Specific Antigen. ACS Applied Bio Materials, 2020, 3, 7821-7830.	4.6	36
97	Energy Storage in Earth-Abundant Dolomite Minerals. Applied Sciences (Switzerland), 2020, 10, 6679.	2.5	9
98	Hydrogels in Tissue Engineering. , 2020, , 105-122.		3
99	Antibacterial Hydrogels and Their Implications. , 2020, , 123-134.		0
100	<p>Alzheimer’s disease: pathogenesis, diagnostics, and therapeutics</p>. International Journal of Nanomedicine, 2019, Volume 14, 5541-5554.	6.7	646
101	Point-of-Care Strategies for Detection of Waterborne Pathogens. Sensors, 2019, 19, 4476.	3.8	56
102	Nanoparticle-mediated approaches for Alzheimer’s disease pathogenesis, diagnosis, and therapeutics. Journal of Controlled Release, 2019, 314, 125-140.	9.9	43
103	Impact of Nanoclay on the pH-Responsiveness and Biodegradable Behavior of Biopolymer-Based Nanocomposite Hydrogels. Gels, 2019, 5, 44.	4.5	3
104	MRI-Guided, Noninvasive Delivery of Magneto-Electric Drug Nanocarriers to the Brain in a Nonhuman Primate. ACS Applied Bio Materials, 2019, 2, 4826-4836.	4.6	30
105	Surface-engineered multimodal magnetic nanoparticles to manage CNS diseases. Drug Discovery Today, 2019, 24, 873-882.	6.4	51
106	Selective ion removal and antibacterial activity of silver-doped multi-walled carbon nanotube / polyphenylsulfone nanocomposite membranes. Materials Chemistry and Physics, 2019, 233, 102-112.	4.0	38
107	<p>Antidiabetic activity enhancement in streptozotocin + nicotinamide“induced diabetic rats through combinational polymeric nanoformulation</p>. International Journal of Nanomedicine, 2019, Volume 14, 4383-4395.	6.7	41
108	Magnetically guided non-invasive CRISPR-Cas9/gRNA delivery across blood-brain barrier to eradicate latent HIV-1 infection. Scientific Reports, 2019, 9, 3928.	3.3	86

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109	Biosensors for Epilepsy Management: State-of-Art and Future Aspects. <i>Sensors</i> , 2019, 19, 1525.	3.8	31
110	Recalcitrant Issues and New Frontiers in Nano-Pharmacology. <i>Frontiers in Pharmacology</i> , 2019, 10, 1369.	3.5	28
111	Biomedical Nanotechnology Related Grand Challenges and Perspectives. <i>Frontiers in Nanotechnology</i> , 2019, 1, .	4.8	34
112	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.	10.1	44
113	Cell-Line-Based Studies of Nanotechnology Drug-Delivery Systems. , 2019, , 375-393.		5
114	Inhibition of Amyloid-Beta Production, Associated Neuroinflammation, and Histone Deacetylase 2-Mediated Epigenetic Modifications Prevent Neuropathology in Alzheimer's Disease in vitro Model. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 342.	3.4	31
115	Nanomedicine for neuroHIV/AIDS management. <i>Nanomedicine</i> , 2018, 13, 669-673.	3.3	29
116	Advances in Carbon Nanotubes-Hydrogel Hybrids in Nanomedicine for Therapeutics. <i>Advanced Healthcare Materials</i> , 2018, 7, e1701213.	7.6	143
117	Personalized nanomedicine for CNS diseases. <i>Drug Discovery Today</i> , 2018, 23, 1007-1015.	6.4	73
118	Point of Care Sensing Devices: Better Care for Everyone. <i>Sensors</i> , 2018, 18, 4303.	3.8	41
119	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, 317.	3.3	18
120	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.	3.4	19
121	A facile synthesis of Au-nanoparticles decorated PbI ₂ single crystalline nanosheets for optoelectronic device applications. <i>Scientific Reports</i> , 2018, 8, 13806.	3.3	69
122	Nanocomposite Hydrogels: Advances in Nanofillers Used for Nanomedicine. <i>Gels</i> , 2018, 4, 75.	4.5	62
123	Multifunctional Nanotherapeutics for the Treatment of neuroAIDS in Drug Abusers. <i>Scientific Reports</i> , 2018, 8, 12991.	3.3	26
124	Nanogels as potential drug nanocarriers for CNS drug delivery. <i>Drug Discovery Today</i> , 2018, 23, 1436-1443.	6.4	101
125	Hydrogels: Smart Nanomaterials for Biomedical Applications. , 2018, , 283-292.		2
126	A sensitive electrochemical immunosensor for label-free detection of Zika-virus protein. <i>Scientific Reports</i> , 2018, 8, 9700.	3.3	148

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127	Clinical Regimens of Favipiravir Inhibit Zika Virus Replication in the Hollow-Fiber Infection Model. Antimicrobial Agents and Chemotherapy, 2018, 62, .	3.2	19
128	Extreme sensitive metasensor for targeted biomarkers identification using colloidal nanoparticles-integrated plasmonic unit cells. Biomedical Optics Express, 2018, 9, 373.	2.9	116
129	Recovery of antioxidants from sugarcane molasses distillery wastewater and its effect on biomethanation. Journal of Water Process Engineering, 2018, 25, 205-211.	5.6	19
130	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.	4.1	39
131	Overview on the Current Status of Zika Virus Pathogenesis and Animal Related Research. Journal of NeuroImmune Pharmacology, 2017, 12, 371-388.	4.1	18
132	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.	3.3	78
133	Activated carbon from sugarcane bagasse ash for melanoidins recovery. Journal of Environmental Management, 2017, 200, 29-34.	7.8	34
134	Investigation of ac-magnetic field stimulated nanoelectroporation of magneto-electric nano-drug-carrier inside CNS cells. Scientific Reports, 2017, 7, 45663.	3.3	51
135	Lasing behavior of surface functionalized carbon quantum dot/RhB composites. Nanoscale, 2017, 9, 5049-5054.	5.6	21
136	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.	2.1	20
137	Rapid Detection of Infectious Envelope Proteins by Magnetoplasmonic Toroidal Metasensors. ACS Sensors, 2017, 2, 1359-1368.	7.8	158
138	Hydrogels: Stimuli Responsive to on-Demand Drug Delivery Systems. , 2017, , 117-130.		4
139	A portable magneto-optical trap with prospects for atom interferometry in civil engineering. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160238.	3.4	45
140	Development of magneto-plasmonic nanoparticles for multimodal image-guided therapy to the brain. Nanoscale, 2017, 9, 764-773.	5.6	62
141	Electrochemical Biosensors for Early Stage Zika Diagnostics. Trends in Biotechnology, 2017, 35, 308-317.	9.3	77
142	Recent advances in cytochrome c biosensing technologies. Biosensors and Bioelectronics, 2017, 87, 654-668.	10.1	88
143	Biomedical Applications of Nanotechnology and Nanomaterials. Micromachines, 2017, 8, 298.	2.9	47
144	Journey of Hydrogels to Nanogels: A Decade After. RSC Smart Materials, 2017, , 1-8.	0.1	6

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145	Scale-up and Current Clinical Trials for Nanogels in Therapeutics. RSC Smart Materials, 2017, , 283-289.	0.1	1
146	Bioresponsive Injectable Hydrogels for On-demand Drug Release and Tissue Engineering. Current Pharmaceutical Design, 2017, 23, 3595-3602.	1.9	38
147	Nanogels for Brain Drug Delivery. RSC Smart Materials, 2017, , 94-108.	0.1	0
148	Future Prospects and Vision. , 2017, , 231-234.		1
149	Nanogels for Gene Delivery. RSC Smart Materials, 2017, , 128-142.	0.1	0
150	Advancements in nano-enabled therapeutics for neuroHIV management. International Journal of Nanomedicine, 2016, Volume 11, 4317-4325.	6.7	33
151	TEM Investigation of Nanocarriers Distribution in Mice Brain. Microscopy and Microanalysis, 2016, 22, 1172-1173.	0.4	4
152	Development of TIMP1 magnetic nanoformulation for regulation of synaptic plasticity in HIV-1 infection. International Journal of Nanomedicine, 2016, Volume 11, 4287-4298.	6.7	20
153	A label-free electrochemical immunosensor for beta-amyloid detection. Analytical Methods, 2016, 8, 6115-6120.	2.7	44
154	Current status of non-viral gene therapy for CNS disorders. Expert Opinion on Drug Delivery, 2016, 13, 1433-1445.	5.0	73
155	Recent trends on hydrogel based drug delivery systems for infectious diseases. Biomaterials Science, 2016, 4, 1535-1553.	5.4	54
156	Electrochemical monitoring-on-chip (E-MoC) of HIV-infection in presence of cocaine and therapeutics. Biosensors and Bioelectronics, 2016, 86, 426-431.	10.1	27
157	Microfluidics for Biologists. , 2016, , .		16
158	Magnetically guided central nervous system delivery and toxicity evaluation of magneto-electric nanocarriers. Scientific Reports, 2016, 6, 25309.	3.3	92
159	The UK National Quantum Technologies Hub in sensors and metrology (Keynote Paper). Proceedings of SPIE, 2016, , .	0.8	10
160	Microglia-derived HIV Nef+ exosome impairment of the bloodâ€‘brain barrier is treatable by nanomedicine-based delivery of Nef peptides. Journal of NeuroVirology, 2016, 22, 129-139.	2.1	84
161	Nano-biosensors to detect beta-amyloid for Alzheimer's disease management. Biosensors and Bioelectronics, 2016, 80, 273-287.	10.1	145
162	Getting into the brain: Potential of nanotechnology in the management of NeuroAIDS. Advanced Drug Delivery Reviews, 2016, 103, 202-217.	13.7	151

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163	Towards detection and diagnosis of Ebola virus disease at point-of-care. <i>Biosensors and Bioelectronics</i> , 2016, 75, 254-272.	10.1	127
164	Therapeutical Neurotargeting via Magnetic Nanocarrier: Implications to Opiate-Induced Neuropathogenesis and NeuroAIDS. <i>Journal of Biomedical Nanotechnology</i> , 2015, 11, 1722-1733.	1.1	30
165	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, 1600-1612.	3.5	26
166	Sustained-release nanoART formulation for the treatment of neuroAIDS. <i>International Journal of Nanomedicine</i> , 2015, 10, 1077.	6.7	94
167	Photoluminescence quenching of Zirconia nanoparticle by surface modification. <i>Applied Surface Science</i> , 2015, 334, 216-221.	6.1	48
168	Organic–Inorganic Hybrid Nanocomposite-Based Gas Sensors for Environmental Monitoring. <i>Chemical Reviews</i> , 2015, 115, 4571-4606.	47.7	429
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170	Electrochemical cortisol immunosensors based on sonochemically synthesized zinc oxide 1D nanorods and 2D nanoflakes. <i>Biosensors and Bioelectronics</i> , 2015, 63, 124-130.	10.1	136
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