

# Chaudhery Mustansar Hussain

## 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.

246  
papers

2,059  
citations

22  
h-index

40  
g-index

264  
ext. papers

3,109  
ext. citations

7.2  
avg, IF

6.57  
L-index

#	Paper	IF	Citations
246	Novel Biotechnological Approaches for Removal of Emerging Contaminants <b>2022</b> , 397-407		0
245	Bioremediation of Heavy Metals <b>2022</b> , 67-81		0
244	Bioremediation of Toxic Dyes for Zero Waste <b>2022</b> , 47-66		0
243	Bioconversion of Food Waste to Wealth [Circular Bioeconomy Approach <b>2022</b> , 421-438		1
242	Critical Issues That Can Underpin the Drive for Sustainable Anaerobic Biorefinery <b>2022</b> , 473-489		
241	Bioconversion of Waste to Wealth as Circular Bioeconomy Approach <b>2022</b> , 409-420		
240	Biosorption of Heavy Metals and Metal-Complexed Dyes Under the Influence of Various Physicochemical Parameters <b>2022</b> , 189-205		
239	Nanomaterials and Biopolymers for the Remediation of Polluted Sites <b>2022</b> , 329-341		
238	Immobilized Enzymes for Bioconversion of Waste to Wealth <b>2022</b> , 33-46		
237	Worldwide fight against COVID-19 using nanotechnology, polymer science, and 3D printing technology.. <i>Polymer Bulletin</i> , <b>2022</b> , 1-19	2.4	2
236	A new trend of using poly(vinyl alcohol) in 3D and 4D printing technologies: Process and applications.. <i>Advances in Colloid and Interface Science</i> , <b>2022</b> , 301, 102605	14.3	4
235	Biogeneration of Valuable Nanomaterials from Food and Other Wastes <b>2022</b> , 361-368		0
234	Biofunctionalized Nanomaterials for Sensing and Bioremediation of Pollutants <b>2022</b> , 343-360		
233	Reaping of Bio-Energy from Waste Using Microbial Fuel Cell Technology <b>2022</b> , 303-313		
232	Usage of Microalgae: A Sustainable Approach to Wastewater Treatment <b>2022</b> , 155-169		
231	Feasibility and Economics of Biobutanol from Lignocellulosic and Starchy Residues <b>2022</b> , 457-471		
230	Application of Sustainable Micro-Algal Species in the Production of Bioenergy for Environmental Sustainability <b>2022</b> , 315-328		

229	Advancements in Bio-hydrogen Production from Waste Biomass <b>2022</b> , 283-302				o
228	Bioremediation of Pesticides Containing Soil and Water <b>2022</b> , 83-94				o
227	Valorization of By-Products of Milk Fat Processing <b>2022</b> , 557-567				
226	Bioreactors for the Production of Industrial Chemicals and Bioenergy Recovery from Waste <b>2022</b> , 241-262				
225	Microbes and their Consortia as Essential Additives for the Composting of Solid Waste <b>2022</b> , 111-122				
224	Agri and Food Waste Valorization Through the Production of Biochemicals and Packaging Materials <b>2022</b> , 521-541				o
223	Bioremediation of Plastics and Polythene in Marine Water <b>2022</b> , 95-109				
222	Microbes and Agri-Food Waste as Novel Sources of Biosorbents <b>2022</b> , 171-188				
221	Green Carbon Materials for the Analysis of Environmental Pollutants. <i>Trends in Environmental Analytical Chemistry</i> , <b>2022</b> , 33, e00156		12		2
220	Current perspective in metal oxide based photocatalysts for virus disinfection: A review.. <i>Journal of Environmental Management</i> , <b>2022</b> , 308, 114617		7.9		3
219	The practicality and prospects for disinfection control by photocatalysis during and post-pandemic: A critical review.. <i>Environmental Research</i> , <b>2022</b> , 112814		7.9		3
218	Miniaturized Liquid Extractions in MALDI-MS Analysis <b>2022</b> , 219-260				
217	Integrated Approaches for the Production of Biodegradable Plastics and Bioenergy from Waste <b>2022</b> , 19-31				
216	Microbiology of Biogas Production from Food Waste: Current Status, Challenges, and Future Needs <b>2022</b> , 491-506				
215	Nanobiotechnology A Green Solution <b>2022</b> , 379-396				o
214	Biosynthesis of Nanoparticles Using Agriculture and Horticulture Waste <b>2022</b> , 369-378				o
213	Valorization of Waste Cooking Oil into Biodiesel, Biolubricants, and Other Products <b>2022</b> , 507-520				
212	Edible Coatings and Films from Agricultural and Marine Food Wastes <b>2022</b> , 543-556				o

211	Photobiological Reactors for the Degradation of Harmful Compounds in Wastewaters <b>2022</b> , 219-240		
210	Enzyme Technology for the Degradation of Lignocellulosic Waste <b>2022</b> , 143-153		
209	Anaerobic Co-digestion as a Smart Approach for Enhanced Biogas Production and Simultaneous Treatment of Different Wastes <b>2022</b> , 1-17		
208	Zero-Waste Biorefineries for Circular Economy <b>2022</b> , 439-456		
207	Biodegradation of Plastics by Microorganisms <b>2022</b> , 123-141		0
206	Recovery of Precious Metals from Electronic and Other Secondary Solid Waste by Bioleaching Approach <b>2022</b> , 207-218		2
205	Utilization of Microbial Potential for Bioethanol Production from Lignocellulosic Waste <b>2022</b> , 263-282		
204	Strategies and perspectives of tailored SnS <sub>2</sub> photocatalyst for solar driven energy applications. <i>Solar Energy</i> , <b>2022</b> , 231, 546-565	6.8	3
203	Application of MOF materials as drug delivery systems for cancer therapy and dermal treatment. <i>Coordination Chemistry Reviews</i> , <b>2022</b> , 451, 214262	23.2	27
202	Impact of COVID-19 on greenhouse gases emissions: A critical review. <i>Science of the Total Environment</i> , <b>2022</b> , 806, 150349	10.2	19
201	Prospective pathways of green graphene-based lab-on-chip devices: the pursuit toward sustainability.. <i>Mikrochimica Acta</i> , <b>2022</b> , 189, 177	5.8	1
200	Fabrication of air filters with advanced filtration performance for removal of viral aerosols and control the spread of COVID-19.. <i>Advances in Colloid and Interface Science</i> , <b>2022</b> , 303, 102653	14.3	5
199	Potential of graphene based photocatalyst for antiviral activity with emphasis on COVID-19: A review.. <i>Journal of Environmental Chemical Engineering</i> , <b>2022</b> , 10, 107527	6.8	3
198	Solvent Extraction Coupled with Gas Chromatography for the Analysis of Polycyclic Aromatic Hydrocarbons in Riverine Sediment and Surface Water of Subarnarekha River and Its Tributary, India <b>2022</b> , 71-89		0
197	Functionalized Materials for Miniaturized Analytical Devices <b>2022</b> , 181-195		
196	Microvolume UV Visible Spectrometry for Assaying of Pesticides <b>2022</b> , 197-217		
195	Functionalized 2 D Nanomaterials for Miniaturized Analytical Devices <b>2022</b> , 153-179		
194	Portable Nanomaterials Impregnated Paper-Based Sensors for Detection of Chemical Substances <b>2022</b> , 21-47		

193	Mechanisms and Applications of Nanopriming: New Vista for Seed Germination <b>2022</b> , 261-277		0
192	Miniaturized Capillary Electrophoresis for the Separation and Identification of Biomolecules <b>2022</b> , 1-19		
191	Ionic Liquid-Assisted Single-Drop Microextraction: A Miniaturized Sample Preparation Tool for Various Analytes <b>2022</b> , 121-152		0
190	Laboratory-on-a-Chip: A Multitasking Device <b>2022</b> , 91-103		
189	Miniaturized Analytical Technology in Agriculture <b>2022</b> , 49-70		
188	Microscopic Tools for Cell Imaging <b>2022</b> , 105-119		
187	Nanotechnology for Environmental Pollution Detection and Remedies <b>2022</b> , 279-294		
186	Conductive Polymer-Based Nanocomposites as Powerful Sorbents: Design, Preparation and Extraction Applications.. <i>Critical Reviews in Analytical Chemistry</i> , <b>2022</b> , 1-14	5.2	
185	Green aspects of photocatalysts during corona pandemic: a promising role for the deactivation of COVID-19 virus.. <i>RSC Advances</i> , <b>2022</b> , 12, 13609-13627	3.7	1
184	Environmental impact of COVID-19 Vaccine waste: A perspective on potential role of natural and biodegradable materials.. <i>Journal of Environmental Chemical Engineering</i> , <b>2022</b> , 107894	6.8	0
183	Constructing carbon nanotubes@CuBi <sub>2</sub> O <sub>4</sub> /AgBiO <sub>3</sub> all solid-state mediated Z-scheme photocatalyst with enhanced photocatalytic activity. <i>Materials Letters</i> , <b>2022</b> , 320, 132374	3.3	0
182	Sustainable Solutions for Indoor Pollution Abatement during COVID Phase: A Critical Study on Current Technologies & Challenges. <i>Journal of Hazardous Materials Advances</i> , <b>2022</b> , 100097		0
181	Pyridine and Its Derivatives as Corrosion Inhibitors <b>2021</b> , 123-148		
180	Amines as Corrosion Inhibitors <b>2021</b> , 75-94		1
179	Declining carbon emission/concentration during COVID-19: A critical review on temporary relief. <i>Carbon Trends</i> , <b>2021</b> , 5, 100131	0	1
178	The environmental impact of mass coronavirus vaccinations: A point of view on huge COVID-19 vaccine waste across the globe during ongoing vaccine campaigns. <i>Science of the Total Environment</i> , <b>2021</b> , 151881	10.2	8
177	Photocatalytic Inactivation of Viruses Using Graphitic Carbon Nitride-Based Photocatalysts: Virucidal Performance and Mechanism. <i>Catalysts</i> , <b>2021</b> , 11, 1448	4	4
176	MIP-based extraction techniques for the determination of antibiotic residues in edible meat samples: Design, performance & recent developments. <i>Trends in Food Science and Technology</i> , <b>2021</b> , 119, 164-164	15.3	1

- 175 Recent advancements in synthesis and drug delivery utilization of polysaccharides-based nanocomposites: The important role of nanoparticles and layered double hydroxides. *International Journal of Biological Macromolecules*, **2021**, 193, 183-204 7.9 3
- 174 Environmental, safety and economic risks of Covid-19 pandemic in petroleum industries: A prospective. *Journal of Petroleum Science and Engineering*, **2021**, 198, 108161 4.4 4
- 173 Special Properties of Nanomaterials (NMs) for Sample Preparation **2021**, 27-46
- 172 Nanomaterials (NMs) for Biological Sample Preparations **2021**, 147-171
- 171 Toxicity and Risk Assessment of Nanomaterials **2021**, 219-240
- 170 Magnetic Nanomaterials for Sample Preparation **2021**, 173-193
- 169 Surface-Enhanced Raman Spectroscopy (SERS) with Nanomaterials (NMs) **2021**, 117-145
- 168 Carbon Nanomaterials (CNMs) as Adsorbents for Sample Preparation **2021**, 71-91
- 167 Future Prospect of Sampling **2021**, 275-287
- 166 Economic Aspects of Nanomaterials (NMs) for Sample Preparation **2021**, 241-249
- 165 Monitoring of Nanomaterials (NMs) in the Environment **2021**, 261-274
- 164 Legal Aspects of Nanomaterials (NMs) for Sample Preparation **2021**, 251-260
- 163 Membrane Applications of Nanomaterials (NMs) **2021**, 93-115
- 162 Lab-on-a-Chip with Nanomaterials (NMs) **2021**, 195-217
- 161 Adsorption Mechanism on Nanomaterials (NMs) **2021**, 47-69
- 160 Nanomaterials (NMs) in Analytical Sciences **2021**, 1-26
- 159 Management of waste tyres: properties, life cycle assessment and energy generation. *Environmental Sustainability*, **2021**, 4, 261-271 2.9 2
- 158 Sustainable plant and microbes-mediated preparation of FeO nanoparticles and industrial application of its chitosan, starch, cellulose, and dextrin-based nanocomposites as catalysts. *International Journal of Biological Macromolecules*, **2021**, 179, 429-447 7.9 4

157	Synthesis and Functionalization of Magnetic and Semiconducting Nanoparticles for Catalysis <b>2021</b> , 261-302		
156	Nanomaterials in Animal Health and Livestock Products <b>2021</b> , 227-250		
155	Recent advancements in 3D bioprinting technology of carboxymethyl cellulose-based hydrogels: Utilization in tissue engineering. <i>Advances in Colloid and Interface Science</i> , <b>2021</b> , 292, 102415	14.3	13
154	Metal-Based Nanomaterials: A New Arena for Catalysis <b>2021</b> , 329-353		
153	Environmental and health impacts of contaminants of emerging concerns: Recent treatment challenges and approaches.. <i>Chemosphere</i> , <b>2021</b> , 272, 129492	8.4	35
152	Current advances on polymer-layered double hydroxides/metal oxides nanocomposites and bionanocomposites: Fabrications and applications in the textile industry and nanofibers. <i>Applied Clay Science</i> , <b>2021</b> , 206, 106054	5.2	8
151	Functionalized Nanomaterials for Catalytic Application: Trends and Developments <b>2021</b> , 355-415		0
150	Green Pathways for Palladium Nanoparticle Synthesis: Application and Future Perspectives <b>2021</b> , 303-328		0
149	Restoring Quality and Sustainability Through Functionalized Nanocatalytic Processes <b>2021</b> , 251-259		
148	Functionalized Nanomaterials for Catalytic ApplicationsSilica and Iron Oxide <b>2021</b> , 169-184		
147	ZnAl-LDH and B-impregnated polymeric semiconductor (g-C3N4) for solar light-driven photocatalysis to treat phenolic effluent. <i>Sustainable Materials and Technologies</i> , <b>2021</b> , 28, e00266	5.3	1
146	State-of-the-art of 3D printing technology of alginate-based hydrogels-An emerging technique for industrial applications. <i>Advances in Colloid and Interface Science</i> , <b>2021</b> , 293, 102436	14.3	18
145	Protection, disinfection, and immunization for healthcare during the COVID-19 pandemic: Role of natural and synthetic macromolecules. <i>Science of the Total Environment</i> , <b>2021</b> , 776, 145989	10.2	17
144	Recent developments in sustainable corrosion inhibition using ionic liquids: A review. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 321, 114484	6	17
143	Graphene-based field-effect transistor biosensors for the rapid detection and analysis of viruses: A perspective in view of COVID-19. <i>Carbon Trends</i> , <b>2021</b> , 2, 100011	0	30
142	Fight against COVID-19 pandemic with the help of carbon-based nanomaterials. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 8832-8846	3.6	13
141	Future of smartphone-based analysis <b>2021</b> , 417-430		
140	Applications of Graphene-Based Nanomaterials <b>2021</b> , 1-26		

139	Carbon nanomaterials to combat virus: A perspective in view of COVID-19. <i>Carbon Trends</i> , <b>2021</b> , 2, 100019		9
138	Recent developments in sustainable corrosion inhibitors: design, performance and industrial scale applications. <i>Materials Advances</i> , <b>2021</b> , 2, 3806-3850	3.3	35
137	Metal-organic frameworks/biopolymer nanocomposites: from fundamentals toward recent applications in modern technology. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 8409-8426	3.6	5
136	Current achievements in 3D bioprinting technology of chitosan and its hybrids. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 10565-10576	3.6	5
135	MOF/COF-based materials using 3D printing technology: applications in water treatment, gas removal, biomedical, and electronic industries. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 13247-13257	3.6	6
134	A journey to the world of fascinating ZnO nanocomposites made of chitosan, starch, cellulose, and other biopolymers: Progress in recent achievements in eco-friendly food packaging, biomedical, and water remediation technologies. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 170, 701-716	7.9	16
133	Graphene-based analytical lab-on-chip devices for detection of viruses: A review. <i>Carbon Trends</i> , <b>2021</b> , 4, 100072	0	9
132	Chitosan, alginate, hyaluronic acid, gums, and $\beta$ -glucan as potent adjuvants and vaccine delivery systems for viral threats including SARS-CoV-2: A review. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 182, 1931-1940	7.9	14
131	3D and 4D printing: From innovation to evolution. <i>Advances in Colloid and Interface Science</i> , <b>2021</b> , 294, 102482	14.3	9
130	Progress on the photocatalytic reduction of hexavalent Cr (VI) using engineered graphitic carbon nitride. <i>Chemical Engineering Research and Design</i> , <b>2021</b> , 152, 663-678	5.5	14
129	Biomass- or Biowaste-Derived Carbon Nanoparticles as Promising Materials for Electrochemical Sensing Applications <b>2021</b> , 53-86		0
128	Functionalized Carbon Nanotubes for Ammonia Sensors <b>2021</b> , 251-263		
127	Applications of Carbon-Based Nanomaterials for Wastewater Treatment <b>2021</b> , 87-133		
126	Functionalized Magnetic Carbon Nanomaterials for Environmental Remediation <b>2021</b> , 227-249		0
125	Graphene-Based Nanomembranes for Sustainable Water Purification Applications <b>2021</b> , 1-31		
124	Functionalized Carbon Nanomaterials (FCNMs): A Green and Sustainable Vision <b>2021</b> , 395-422		0
123	Carbon-Based Nanomaterials in Drug Delivery Systems <b>2021</b> , 375-394		
122	Functionalized Carbon Nanomaterials for Impending Pharmaceutical Applications: A Green and Sustainable Vision <b>2021</b> , 423-438		



121	Fundamental of Functionalized Carbon Nanomaterials for Environmental Devices and Techniques <b>2021</b> , 197-226		
120	Toxicity of Carbon Nanomaterials <b>2021</b> , 147-171		
119	Sawdust, a versatile, inexpensive, readily available bio-waste: From mother earth to valuable materials for sustainable remediation technologies. <i>Advances in Colloid and Interface Science</i> , <b>2021</b> , 295, 102492	14.3	4
118	Adsorptive Removal of Fluoride by Carbon Nanomaterials <b>2021</b> , 313-329		0
117	Functionalized Carbon Nano-Membranes Based Devices for Water Purification Technology <b>2021</b> , 331-346		
116	Functionalized Carbon Nanotubes ( FCNTs ) as Novel Drug Delivery Systems: Emergent Perspectives from Applications <b>2021</b> , 283-312		0
115	Functionalized Carbon Nano Lab-on-a-Chip Devices for Environment <b>2021</b> , 265-282		
114	Magnetic Graphene Oxide and Its Composite Nanomaterials: Application in Environmental Decontamination <b>2021</b> , 33-52		
113	Fundamentals of Functionalized Carbon Nanomaterials ( CNMs ) for Environmental Devices and Techniques <b>2021</b> , 173-195		
112	Electrochemical Determination of Indigotine Based on Poly(Gibberellic Acid)-Modified Carbon Nanotube Paste Electrode <b>2021</b> , 135-146		0
111	Green micro total analysis systems (GMAS) for environmental samples. <i>Trends in Environmental Analytical Chemistry</i> , <b>2021</b> , 31, e00128	12	6
110	Surface modifications and analytical applications of graphene oxide: A review. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2021</b> , 144, 116448	14.6	15
109	Sustainable chemical preventive models in COVID-19: Understanding, innovation, adaptations, and impact. <i>Journal of the Indian Chemical Society</i> , <b>2021</b> , 98, 100164		3
108	Green miniaturized technologies in analytical and bioanalytical chemistry. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2021</b> , 143, 116383	14.6	10
107	MXenes-based materials: Structure, synthesis, and various applications. <i>Ceramics International</i> , <b>2021</b> , 47, 26585-26597	5.1	11
106	Functionalized magnetic nanoparticles as powerful sorbents and stationary phases for the extraction and chromatographic applications. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2021</b> , 143, 116380	14.6	8
105	Degradation mechanism and toxicity reduction of methyl orange dye by a newly isolated bacterium <i>Pseudomonas aeruginosa</i> MZ520730. <i>Journal of Water Process Engineering</i> , <b>2021</b> , 43, 102300	6.7	5
104	Recent breakthroughs of antibacterial and antiviral protective polymeric materials during COVID-19 pandemic and after pandemic: Coating, packaging, and textile applications. <i>Current Opinion in Colloid and Interface Science</i> , <b>2021</b> , 55, 101480	7.6	18

103	Recent progress on the modifications of ultra-small perovskite nanomaterials for sensing applications. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2021</b> , 144, 116432	14.6	7
102	Molecularly imprinted polymer-carbon paste electrode (MIP-CPE)-based sensors for the sensitive detection of organic and inorganic environmental pollutants: A review. <i>Trends in Environmental Analytical Chemistry</i> , <b>2021</b> , 32, e00144	12	14
101	Applications of Graphene-Based Nanomaterials <b>2021</b> , 1069-1093		
100	The latest strategies in the fight against the COVID-19 pandemic: the role of metal and metal oxide nanoparticles. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 6167-6179	3.6	19
99	Emerging new-generation hybrids based on covalent organic frameworks for industrial applications. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 7014-7046	3.6	7
98	Smartphone: A new perspective in analysis <b>2021</b> , 1-18		0
97	Smartphone-based optical and electrochemical sensing <b>2021</b> , 19-36		
96	A review of deciphering the successes and learning from the failures in preventive and health policies to stop the COVID-19 pandemic <b>2021</b> , 269-303		2
95	Green synthesis of nano-Al <sub>2</sub> O <sub>3</sub> , recent functionalization, and fabrication of synthetic or natural polymer nanocomposites: various technological applications. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 4885-4920	3.6	4
94	Chitosan/carbon nanotube hybrids: recent progress and achievements for industrial applications. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 3756-3777	3.6	11
93	Single-Atoms on Covalent or Metal-Organic Frameworks: Current Findings and Perspectives for Pollutants Abatement, Hydrogen Evolution, and Reduction of CO <sub>2</sub> . <i>Topics in Current Chemistry</i> , <b>2021</b> , 380, 7	7.2	2
92	Recent advances in analytical, bioanalytical and miscellaneous applications of green nanomaterial. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2020</b> , 133, 116109	14.6	14
91	The Impact of Nanomaterials in Aquatic Systems <b>2020</b> , 205-222		5
90	Environmentally benign production of cupric oxide nanoparticles and various utilizations of their polymeric hybrids in different technologies. <i>Coordination Chemistry Reviews</i> , <b>2020</b> , 419, 213378	23.2	42
89	Toxicity and Regulatory Concerns for Nanoformulations in Medicine <b>2020</b> , 333-357		4
88	A Survey of Nanotechnology for Rocket Propulsion <b>2020</b> , 277-332		1
87	A Way to Create a Sustainable Environment <b>2020</b> , 359-425		3
86	Nanomaterials and the Environment <b>2020</b> , 1-23		5

85	Modern Development with Green Polymer Nanocomposites <b>2020</b> , 427-457		
84	Highly Efficient Graphene-Based Nanocomposites for Environmental Application <b>2020</b> , 25-50		
83	A Concise Account of the Studies Conducted on the Transport, Fate, Transformation and Toxicity of Engineered Nanomaterials <b>2020</b> , 51-65		
82	Addressing Nanotoxicity <b>2020</b> , 103-112		10
81	Bringing Awareness to the Darker Side of Nanoparticles <b>2020</b> , 135-163		1
80	Experimental and computational studies on hydroxamic acids as environmental friendly chelating corrosion inhibitors for mild steel in aqueous acidic medium. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 314, 113651	6	19
79	Nanotechnologies and Advanced Smart Materials <b>2020</b> , 67-87		2
78	Life Cycle Environmental Implications of Nanomanufacturing <b>2020</b> , 89-101		1
77	Switchable Graphene-Based Bioelectronics Interfaces. <i>Chemosensors</i> , <b>2020</b> , 8, 45	4	10
76	Physicochemical and biological assessment of flowable resin composites incorporated with farnesol loaded halloysite nanotubes for dental applications. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2020</b> , 104, 103675	4.1	16
75	Functionalized nanomaterials in dispersive solid phase extraction: Advances & prospects. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2020</b> , 127, 115893	14.6	72
74	Environmental perspective of COVID-19. <i>Science of the Total Environment</i> , <b>2020</b> , 728, 138870	10.2	373
73	Mode of Transfer, Toxicity and Negative Impacts of Engineered Nanoparticles on Environment, Human and Animal Health <b>2020</b> , 165-204		5
72	Green Nanomaterials: A Sustainable Perspective. <i>Advanced Structured Materials</i> , <b>2020</b> , 23-41	0.6	8
71	Functionalized nanographene for catalysis <b>2020</b> , 111-129		5
70	Future of analytical chemistry with graphene. <i>Comprehensive Analytical Chemistry</i> , <b>2020</b> , 91, 355-389	1.9	2
69	Modern age of analytical chemistry: nanomaterials <b>2020</b> , 29-40		7
68	The use of magnetic nanoparticles in sample preparation devices and tools <b>2020</b> , 75-95		20

67	Membrane applications of nanomaterials <b>2020</b> , 159-182		8
66	Micro total analysis systems with nanomaterials <b>2020</b> , 185-198		11
65	Sensors for the Detection of Biological Fluids <b>2020</b> , 239-258		0
64	Commercialization of Regulatory Forensic Programs <b>2020</b> , 341-356		
63	Concluding Notes <b>2020</b> , 371-374		
62	Chemical Evidences and Their Handling <b>2020</b> , 79-99		
61	Gravimetric, electrochemical, and morphological studies of an isoxazole derivative as corrosion inhibitor for mild steel in 1M HCl. <i>Arabian Journal of Chemistry</i> , <b>2020</b> , 13, 7744-7758	5.9	16
60	Ethical, legal, social and economics issues of graphene. <i>Comprehensive Analytical Chemistry</i> , <b>2020</b> , 91, 263-279	1.9	2
59	Review on matrix-assisted laser desorption/ionization time-of-flight mass spectrometry for the rapid screening of microbial species: A promising bioanalytical tool. <i>Microchemical Journal</i> , <b>2020</b> , 159, 105387	4.8	9
58	Era of nano-lab-on-a-chip (LOC) technology <b>2020</b> , 1-17		
57	Lab-on-chip for chromatographic techniques <b>2020</b> , 129-137		1
56	Future of the modern age of analytical chemistry: Nanominiaturization <b>2020</b> , 277-296		2
55	Recent innovations in functionalized layered double hydroxides: Fabrication, characterization, and industrial applications. <i>Advances in Colloid and Interface Science</i> , <b>2020</b> , 283, 102216	14.3	35
54	Thin-film nanocomposite devices for renewable energy current status and challenges. <i>Sustainable Materials and Technologies</i> , <b>2020</b> , 26, e00233	5.3	0
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