

Chaudhery Mustansar Hussain

List of Publications by Citations

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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	Environmental perspective of COVID-19. <i>Science of the Total Environment</i> , 2020 , 728, 138870	10.2	373
245	Self-assembly of carbon nanotubes via ethanol chemical vapor deposition for the synthesis of gas chromatography columns. <i>Analytical Chemistry</i> , 2010 , 82, 5184-8	7.8	81
244	Advancement in bioanalytical science through nanotechnology: Past, present and future. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 110, 259-276	14.6	81
243	Functionalized nanomaterials in dispersive solid phase extraction: Advances & prospects. <i>TrAC - Trends in Analytical Chemistry</i> , 2020 , 127, 115893	14.6	72
242	Graphene and its derivatives for Analytical Lab on Chip platforms. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 114, 326-337	14.6	67
241	Functionalized nanomaterial for forensic sample analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 120, 115661	14.6	60
240	Altering the polarity of self-assembled carbon nanotubes stationary phase via covalent functionalization. <i>RSC Advances</i> , 2011 , 1, 685	3.7	59
239	Microtrapping characteristics of single and multi-walled carbon nanotubes. <i>Journal of Chromatography A</i> , 2008 , 1185, 161-6	4.5	58
238	Modifying the sorption properties of multi-walled carbon nanotubes via covalent functionalization. <i>Analyst, The</i> , 2009 , 134, 1928-33	5	52
237	Smart nanomaterials in pharmaceutical analysis. <i>Arabian Journal of Chemistry</i> , 2020 , 13, 3319-3343	5.9	49
236	Micropreconcentration units based on carbon nanotubes (CNT). <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 399, 75-89	4.4	45
235	Recent Progress of Imprinted Nanomaterials in Analytical Chemistry. <i>International Journal of Analytical Chemistry</i> , 2018 , 2018, 8503853	1.4	44
234	Environmentally benign production of cupric oxide nanoparticles and various utilizations of their polymeric hybrids in different technologies. <i>Coordination Chemistry Reviews</i> , 2020 , 419, 213378	23.2	42
233	Recent innovations in functionalized layered double hydroxides: Fabrication, characterization, and industrial applications. <i>Advances in Colloid and Interface Science</i> , 2020 , 283, 102216	14.3	35
232	Environmental and health impacts of contaminants of emerging concerns: Recent treatment challenges and approaches.. <i>Chemosphere</i> , 2021 , 272, 129492	8.4	35
231	Recent developments in sustainable corrosion inhibitors: design, performance and industrial scale applications. <i>Materials Advances</i> , 2021 , 2, 3806-3850	3.3	35
230	Carbon nanotubes as sorbents for the gas phase preconcentration of semivolatile organics in a microtrap. <i>Analyst, The</i> , 2008 , 133, 1076-82	5	30

229	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> , 2021 , 2, 100011	0	30
228	Application of MOF materials as drug delivery systems for cancer therapy and dermal treatment. <i>Coordination Chemistry Reviews</i> , 2022 , 451, 214262	23.2	27
227	Microstructural and mechano-tribological behavior of Al reinforced SiC-TiC hybrid metal matrix composite. <i>Materials Today: Proceedings</i> , 2020 , 21, 1417-1420	1.4	27
226	Utilization and recycling of end of life plastics for sustainable and clean industrial processes including the iron and steel industry. <i>Materials Science for Energy Technologies</i> , 2019 , 2, 634-646	5.2	25
225	Nano-Graphene as Groundbreaking Miracle Material: Catalytic and Commercial Perspectives. <i>ChemistrySelect</i> , 2018 , 3, 9533-9544	1.8	22
224	Recent progress on solution and materials chemistry for the removal of hydrogen sulfide from various gas plants. <i>Journal of Molecular Liquids</i> , 2020 , 297, 111886	6	21
223	The use of magnetic nanoparticles in sample preparation devices and tools 2020 , 75-95		20
222	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> , 2020 , 314, 113651	6	19
221	Impact of COVID-19 on greenhouse gases emissions: A critical review. <i>Science of the Total Environment</i> , 2022 , 806, 150349	10.2	19
220	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> , 2021 , 45, 6167-6179	3.6	19
219	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> , 2021 , 293, 102436	14.3	18
218	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> , 2021 , 55, 101480	7.6	18
217	Poly(acrylamide-co-acrylic acid) hydrophilization of porous polypropylene membrane for dehumidification. <i>Separation and Purification Technology</i> , 2013 , 107, 54-60	8.3	17
216	Protection, disinfection, and immunization for healthcare during the COVID-19 pandemic: Role of natural and synthetic macromolecules. <i>Science of the Total Environment</i> , 2021 , 776, 145989	10.2	17
215	Recent developments in sustainable corrosion inhibition using ionic liquids: A review. <i>Journal of Molecular Liquids</i> , 2021 , 321, 114484	6	17
214	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> , 2020 , 104, 103675	4.1	16
213	Gravimetric, electrochemical, and morphological studies of an isoxazole derivative as corrosion inhibitor for mild steel in 1M HCl. <i>Arabian Journal of Chemistry</i> , 2020 , 13, 7744-7758	5.9	16
212	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> , 2021 , 170, 701-716	7.9	16

211	Surface modifications and analytical applications of graphene oxide: A review. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 144, 116448	14.6	15
210	Carbon nanotube-immobilized super-absorbent membrane for harvesting water from the atmosphere. <i>Environmental Science: Water Research and Technology</i> , 2015 , 1, 753-760	4.2	14
209	Recent advances in analytical, bioanalytical and miscellaneous applications of green nanomaterial. <i>TrAC - Trends in Analytical Chemistry</i> , 2020 , 133, 116109	14.6	14
208	Chitosan, alginate, hyaluronic acid, gums, and Eglucan as potent adjuvants and vaccine delivery systems for viral threats including SARS-CoV-2: A review. <i>International Journal of Biological Macromolecules</i> , 2021 , 182, 1931-1940	7.9	14
207	Progress on the photocatalytic reduction of hexavalent Cr (VI) using engineered graphitic carbon nitride. <i>Chemical Engineering Research and Design</i> , 2021 , 152, 663-678	5.5	14
206	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> , 2021 , 32, e00144	12	14
205	Recent advancements in 3D bioprinting technology of carboxymethyl cellulose-based hydrogels: Utilization in tissue engineering. <i>Advances in Colloid and Interface Science</i> , 2021 , 292, 102415	14.3	13
204	Fight against COVID-19 pandemic with the help of carbon-based nanomaterials. <i>New Journal of Chemistry</i> , 2021 , 45, 8832-8846	3.6	13
203	Micro total analysis systems with nanomaterials 2020 , 185-198		11
202	MXenes-based materials: Structure, synthesis, and various applications. <i>Ceramics International</i> , 2021 , 47, 26585-26597	5.1	11
201	Chitosan/carbon nanotube hybrids: recent progress and achievements for industrial applications. <i>New Journal of Chemistry</i> , 2021 , 45, 3756-3777	3.6	11
200	Addressing Nanotoxicity 2020 , 103-112		10
199	Switchable Graphene-Based Bioelectronics Interfaces. <i>Chemosensors</i> , 2020 , 8, 45	4	10
198	Green miniaturized technologies in analytical and bioanalytical chemistry. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 143, 116383	14.6	10
197	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> , 2020 , 159, 105387	4.8	9
196	Carbon nanomaterials to combat virus: A perspective in view of COVID-19. <i>Carbon Trends</i> , 2021 , 2, 100019		9
195	Graphene-based analytical lab-on-chip devices for detection of viruses: A review. <i>Carbon Trends</i> , 2021 , 4, 100072	0	9
194	3D and 4D printing: From innovation to evolution. <i>Advances in Colloid and Interface Science</i> , 2021 , 294, 102482	14.3	9

193	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> , 2021 , 151881	10.2	8
192	Green Nanomaterials: A Sustainable Perspective. <i>Advanced Structured Materials</i> , 2020 , 23-41	0.6	8
191	Membrane applications of nanomaterials 2020 , 159-182		8
190	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> , 2021 , 206, 106054	5.2	8
189	Functionalized magnetic nanoparticles as powerful sorbents and stationary phases for the extraction and chromatographic applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 143, 116380	14.6	8
188	Modern age of analytical chemistry: nanomaterials 2020 , 29-40		7
187	Recent progress on the modifications of ultra-small perovskite nanomaterials for sensing applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 144, 116432	14.6	7
186	Emerging new-generation hybrids based on covalent organic frameworks for industrial applications. <i>New Journal of Chemistry</i> , 2021 , 45, 7014-7046	3.6	7
185	CHAPTER 19:Magnetic Nanomaterials for Environmental Analysis. <i>RSC Detection Science</i> ,1-13	0.4	6
184	MOF/COF-based materials using 3D printing technology: applications in water treatment, gas removal, biomedical, and electronic industries. <i>New Journal of Chemistry</i> , 2021 , 45, 13247-13257	3.6	6
183	Green micro total analysis systems (GMAS) for environmental samples. <i>Trends in Environmental Analytical Chemistry</i> , 2021 , 31, e00128	12	6
182	Nanotechnology in the Dairy Industry 2020 , 223-275		6
181	The Impact of Nanomaterials in Aquatic Systems 2020 , 205-222		5
180	Nanomaterials and the Environment 2020 , 1-23		5
179	Carbon Nanomaterials as Adsorbents for Environmental Analysis 2014 , 217-236		5
178	Mode of Transfer, Toxicity and Negative Impacts of Engineered Nanoparticles on Environment, Human and Animal Health 2020 , 165-204		5
177	Functionalized nanographene for catalysis 2020 , 111-129		5
176	Metalorganic frameworks/biopolymer nanocomposites: from fundamentals toward recent applications in modern technology. <i>New Journal of Chemistry</i> , 2021 , 45, 8409-8426	3.6	5

175	Current achievements in 3D bioprinting technology of chitosan and its hybrids. <i>New Journal of Chemistry</i> , 2021 , 45, 10565-10576	3.6	5
174	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> , 2021 , 43, 102300	6.7	5
173	Carbon-Based Polymer Nanocomposite and Environmental Perspective 2020 , 121-145		5
172	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> , 2022 , 303, 102653	14.3	5
171	Toxicity and Regulatory Concerns for Nanoformulations in Medicine 2020 , 333-357		4
170	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> , 2022 , 301, 102605	14.3	4
169	Photocatalytic Inactivation of Viruses Using Graphitic Carbon Nitride-Based Photocatalysts: Virucidal Performance and Mechanism. <i>Catalysts</i> , 2021 , 11, 1448	4	4
168	MULTIVARIATE STATISTICAL ANALYSIS AND USE OF GEOGRAPHIC INFORMATION SYSTEMS IN RAW WATER QUALITY ASSESSMENT. <i>Brazilian Journal of Environmental Sciences (Online)</i> , 2019 , 1-15	1	4
167	Environmental, safety and economic risks of Covid-19 pandemic in petroleum industries: A prospective. <i>Journal of Petroleum Science and Engineering</i> , 2021 , 198, 108161	4.4	4
166	Sustainable plant and microbes-mediated preparation of FeO nanoparticles and industrial application of its chitosan, starch, cellulose, and dextrin-based nanocomposites as catalysts. <i>International Journal of Biological Macromolecules</i> , 2021 , 179, 429-447	7.9	4
165	Environmental Management and Sustainable Development: A Vision for the Future 2018 , 1-17		4
164	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> , 2021 , 295, 102492	14.3	4
163	Green synthesis of nano-Al ₂ O ₃ , recent functionalization, and fabrication of synthetic or natural polymer nanocomposites: various technological applications. <i>New Journal of Chemistry</i> , 2021 , 45, 4885-4920	3.6	4
162	A Way to Create a Sustainable Environment 2020 , 359-425		3
161	Current perspective in metal oxide based photocatalysts for virus disinfection: A review.. <i>Journal of Environmental Management</i> , 2022 , 308, 114617	7.9	3
160	The practicality and prospects for disinfection control by photocatalysis during and post-pandemic: A critical review.. <i>Environmental Research</i> , 2022 , 112814	7.9	3
159	Strategies and perspectives of tailored SnS ₂ photocatalyst for solar driven energy applications. <i>Solar Energy</i> , 2022 , 231, 546-565	6.8	3
158	Recent advancements in synthesis and drug delivery utilization of polysaccharides-based nanocomposites: The important role of nanoparticles and layered double hydroxides. <i>International Journal of Biological Macromolecules</i> , 2021 , 193, 183-204	7.9	3

157	Sensors for the Detection of Illicit Drugs 2020 , 221-238		3
156	Conventional and Emerging Biometrics Techniques in Forensic Investigations 2020 , 175-197		3
155	Sensors for Dope Tests in Sports 2020 , 259-278		3
154	Recent advancements in corrosion inhibitor systems through carbon allotropes: Past, present, and future. <i>Nano Select</i> ,	3.1	3
153	Sustainable Biomedical Waste Management 2018 , 1-23		3
152	Nanomembranes for Environment 2018 , 1-24		3
151	Recent Advances in Green Nanotechnology and the Vision for the Future 2018 , 1-21		3
150	Sustainable chemical preventive models in COVID-19: Understanding, innovation, adaptations, and impact. <i>Journal of the Indian Chemical Society</i> , 2021 , 98, 100164		3
149	Potential of graphene based photocatalyst for antiviral activity with emphasis on COVID-19: A review.. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 10, 107527	6.8	3
148	Enhanced preconcentration of selected chlorofluorocarbons on multiwalled carbon nanotubes with polar functionalities. <i>Journal of Separation Science</i> , 2015 , 38, 426-32	3.4	2
147	Nanotechnologies and Advanced Smart Materials 2020 , 67-87		2
146	Future of Industrial Development and Nanomaterials: (Concluding Notes) 2018 , 1073-1076		2
145	Worldwide fight against COVID-19 using nanotechnology, polymer science, and 3D printing technology.. <i>Polymer Bulletin</i> , 2022 , 1-19	2.4	2
144	Green Carbon Materials for the Analysis of Environmental Pollutants. <i>Trends in Environmental Analytical Chemistry</i> , 2022 , 33, e00156	12	2
143	Recovery of Precious Metals from Electronic and Other Secondary Solid Waste by Bioleaching Approach 2022 , 207-218		2
142	Future of analytical chemistry with graphene. <i>Comprehensive Analytical Chemistry</i> , 2020 , 91, 355-389	1.9	2
141	Ethical, legal, social and economics issues of graphene. <i>Comprehensive Analytical Chemistry</i> , 2020 , 91, 263-279	1.9	2
140	Future of the modern age of analytical chemistry: Nanominiaturization 2020 , 277-296		2

139	Chromatographic Techniques for Forensic Investigations 2020 , 129-149		2
138	Microscopy for Forensic Investigations 2020 , 101-127		2
137	Management of waste tyres: properties, life cycle assessment and energy generation. <i>Environmental Sustainability</i> , 2021 , 4, 261-271	2.9	2
136	Green Sustainability, Nanotechnology and Advanced Materials Δ Critical Overview and a Vision for the Future 2018 , 1-18		2
135	A review of deciphering the successes and learning from the failures in preventive and health policies to stop the COVID-19 pandemic 2021 , 269-303		2
134	Single-Atoms on Covalent or Metal-Organic Frameworks: Current Findings and Perspectives for Pollutants Abatement, Hydrogen Evolution, and Reduction of CO ₂ . <i>Topics in Current Chemistry</i> , 2021 , 380, 7	7.2	2
133	A Survey of Nanotechnology for Rocket Propulsion 2020 , 277-332		1
132	Bringing Awareness to the Darker Side of Nanoparticles 2020 , 135-163		1
131	Life Cycle Environmental Implications of Nanomanufacturing 2020 , 89-101		1
130	Bioconversion of Food Waste to Wealth \square Circular Bioeconomy Approach 2022 , 421-438		1
129	Amines as Corrosion Inhibitors 2021 , 75-94		1
128	Declining carbon emission/concentration during COVID-19: A critical review on temporary relief. <i>Carbon Trends</i> , 2021 , 5, 100131	0	1
127	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> , 2021 , 119, 164-164	15.3	1
126	Lab-on-chip for chromatographic techniques 2020 , 129-137		1
125	History of Forensic Science 2020 , 1-16		1
124	Nanotechnology and Taggant Technology in Forensic Science 2020 , 279-301		1
123	Conventional Technologies in Forensic Science 2020 , 17-34		1
122	ZnAl-LDH and B-impregnated polymeric semiconductor (g-C ₃ N ₄) for solar light-driven photocatalysis to treat phenolic effluent. <i>Sustainable Materials and Technologies</i> , 2021 , 28, e00266	5.3	1

121	Lab-On-Chip Platforms for Environmental Analysis 2018 , 267-267		1
120	Prospective pathways of green graphene-based lab-on-chip devices: the pursuit toward sustainability.. <i>Mikrochimica Acta</i> , 2022 , 189, 177	5.8	1
119	Green aspects of photocatalysts during corona pandemic: a promising role for the deactivation of COVID-19 virus.. <i>RSC Advances</i> , 2022 , 12, 13609-13627	3.7	1
118	Potential of tragacanth gum in the industries: a short journey from past to the future. <i>Polymer Bulletin</i> ,	2.4	1
117	Novel Biotechnological Approaches for Removal of Emerging Contaminants 2022 , 397-407		0
116	Bioremediation of Heavy Metals 2022 , 67-81		0
115	Bioremediation of Toxic Dyes for Zero Waste 2022 , 47-66		0
114	Biogeneration of Valuable Nanomaterials from Food and Other Wastes 2022 , 361-368		0
113	Advancements in Bio-hydrogen Production from Waste Biomass 2022 , 283-302		0
112	Bioremediation of Pesticides Containing Soil and Water 2022 , 83-94		0
111	Photocatalytic transition-metal-oxides-based p-n heterojunction materials: synthesis, sustainable energy and environmental applications, and perspectives. <i>Journal of Nanostructure in Chemistry</i> ,1	7.6	0
110	Agri and Food Waste Valorization Through the Production of Biochemicals and Packaging Materials 2022 , 521-541		0
109	Nanobiotechnology A Green Solution 2022 , 379-396		0
108	Biosynthesis of Nanoparticles Using Agriculture and Horticulture Waste 2022 , 369-378		0
107	Edible Coatings and Films from Agricultural and Marine Food Wastes 2022 , 543-556		0
106	Biodegradation of Plastics by Microorganisms 2022 , 123-141		0
105	Sensors for the Detection of Biological Fluids 2020 , 239-258		0
104	Thin-film nanocomposite devices for renewable energy current status and challenges. <i>Sustainable Materials and Technologies</i> , 2020 , 26, e00233	5.3	0

- 103 Sensors for the Detection of Explosives and Gunshots Residues **2020**, 199-220 ○
- 102 Functionalized Nanomaterials for Catalytic Application: Trends and Developments **2021**, 355-415 ○
- 101 Green Pathways for Palladium Nanoparticle Synthesis: Application and Future Perspectives **2021**, 303-328 ○
- 100 Biomass- or Biowaste-Derived Carbon Nanoparticles as Promising Materials for Electrochemical Sensing Applications **2021**, 53-86 ○
- 99 Functionalized Magnetic Carbon Nanomaterials for Environmental Remediation **2021**, 227-249 ○
- 98 Functionalized Carbon Nanomaterials (FCNMs): A Green and Sustainable Vision **2021**, 395-422 ○
- 97 Adsorptive Removal of Fluoride by Carbon Nanomaterials **2021**, 313-329 ○
- 96 Functionalized Carbon Nanotubes (FCNTs) as Novel Drug Delivery Systems: Emergent Perspectives from Applications **2021**, 283-312 ○
- 95 Electrochemical Determination of Indigotine Based on Poly(Gibberellic Acid)-Modified Carbon Nanotube Paste Electrode **2021**, 135-146 ○
- 94 Smartphone: A new perspective in analysis **2021**, 1-18 ○
- 93 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 **2022**, 71-89 ○
- 92 Mechanisms and Applications of Nanopriming: New Vista for Seed Germination **2022**, 261-277 ○
- 91 Ionic Liquid-Assisted Single-Drop Microextraction: A Miniaturized Sample Preparation Tool for Various Analytes **2022**, 121-152 ○
- 90 Environmental impact of COVID-19 Vaccine waste: A perspective on potential role of natural and biodegradable materials.. *Journal of Environmental Chemical Engineering*, **2022**, 107894 6.8 ○
- 89 Constructing carbon nanotubes@CuBi₂O₄/AgBiO₃ all solid-state mediated Z-scheme photocatalyst with enhanced photocatalytic activity. *Materials Letters*, **2022**, 320, 132374 3.3 ○
- 88 Sustainable Solutions for Indoor Pollution Abatement during COVID Phase: A Critical Study on Current Technologies & Challenges. *Journal of Hazardous Materials Advances*, **2022**, 100097 ○
- 87 Modern Development with Green Polymer Nanocomposites **2020**, 427-457 ○
- 86 Highly Efficient Graphene-Based Nanocomposites for Environmental Application **2020**, 25-50 ○

- 85 A Concise Account of the Studies Conducted on the Transport, Fate, Transformation and Toxicity of Engineered Nanomaterials **2020**, 51-65
- 84 Nanochromatography Concluding Account **2018**, 519-523
- 83 Critical Issues That Can Underpin the Drive for Sustainable Anaerobic Biorefinery **2022**, 473-489
- 82 Bioconversion of Waste to Wealth as Circular Bioeconomy Approach **2022**, 409-420
- 81 Biosorption of Heavy Metals and Metal-Complexed Dyes Under the Influence of Various Physicochemical Parameters **2022**, 189-205
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- 53 Biological Evidence and Their Handling **2020**, 35-53
- 52 Conventional and Internal Standards in Forensic Science **2020**, 327-340
- 51 Future of Forensic and Crime Scene Science Technologies **2020**, 357-370
- 50 Hyphenated Techniques for Forensic Investigations **2020**, 151-174

49 Physical Evidence and Their Handling **2020**, 55-78

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47 Nanomaterials (NMs) for Biological Sample Preparations **2021**, 147-171

46 Toxicity and Risk Assessment of Nanomaterials **2021**, 219-240

45 Magnetic Nanomaterials for Sample Preparation **2021**, 173-193

44 Surface-Enhanced Raman Spectroscopy (SERS) with Nanomaterials (NMs) **2021**, 117-145

43 Carbon Nanomaterials (CNMs) as Adsorbents for Sample Preparation **2021**, 71-91

42 Future Prospect of Sampling **2021**, 275-287

41 Economic Aspects of Nanomaterials (NMs) for Sample Preparation **2021**, 241-249

40 Monitoring of Nanomaterials (NMs) in the Environment **2021**, 261-274

39 Legal Aspects of Nanomaterials (NMs) for Sample Preparation **2021**, 251-260

38 Membrane Applications of Nanomaterials (NMs) **2021**, 93-115

37 Lab-on-a-Chip with Nanomaterials (NMs) **2021**, 195-217

36 Adsorption Mechanism on Nanomaterials (NMs) **2021**, 47-69

35 Nanomaterials (NMs) in Analytical Sciences **2021**, 1-26

34 Synthesis and Functionalization of Magnetic and Semiconducting Nanoparticles for Catalysis **2021**, 261-302

33 Nanomaterials in Animal Health and Livestock Products **2021**, 227-250

32 Metal-Based Nanomaterials: A New Arena for Catalysis **2021**, 329-353

- 31 Restoring Quality and Sustainability Through Functionalized Nanocatalytic Processes **2021**, 251-259
- 30 Functionalized Nanomaterials for Catalytic Applications Silica and Iron Oxide **2021**, 169-184
- 29 Nanomaterials, Ecomaterials, and Wide Vision of Material Science **2019**, 3-31
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