

Anish Khan

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.

319
papers

4,746
citations

35
h-index

53
g-index

342
ext. papers

6,169
ext. citations

3.8
avg, IF

6.41
L-index

#	Paper	IF	Citations
319	Preparation, characterization and super electrocatalytic sensing study of polyaniline@yttrium phosphate (PANI@Y(III)PO ₄) nanocomposite. <i>Journal of Materials Research and Technology</i> , 2022 , 16, 1686-1701	5.5	0
318	Donor moieties with D-π framing modulated electronic and nonlinear optical properties for non-fullerene-based chromophores.. <i>RSC Advances</i> , 2022 , 12, 4209-4223	3.7	3
317	Synthesis, Characterization and Bio-Potential Activities of Co(II) and Ni(II) Complexes with O and N Donor Mixed Ligands. <i>Crystals</i> , 2022 , 12, 326	2.3	1
316	Utilizing Biomass-Based Graphene Oxide-Polyaniline-Ag Electrodes in Microbial Fuel Cells to Boost Energy Generation and Heavy Metal Removal.. <i>Polymers</i> , 2022 , 14,	4.5	9
315	Influence of Ce ³⁺ on the Structural, Morphological, Magnetic, Photocatalytic and Antibacterial Properties of Spinel MnFe ₂ O ₄ Nanocrystallites Prepared by the Combustion Route. <i>Crystals</i> , 2022 , 12, 268	2.3	2
314	Sol-Gel Synthesis and Characterization of Highly Selective Poly(N-methyl pyrrole) Stannous(II) Tungstate Nano Composite for Mercury (Hg(II)) Detection. <i>Crystals</i> , 2022 , 12, 371	2.3	0
313	Preparation and characterization of lignin/nano graphene oxide/styrene butadiene rubber composite for automobile tyre application.. <i>International Journal of Biological Macromolecules</i> , 2022 , 206, 363-370	7.9	1
312	Synthesis of Atmospherically Stable Zero-Valent Iron Nanoparticles (nZVI) for the Efficient Catalytic Treatment of High-Strength Domestic Wastewater. <i>Catalysts</i> , 2022 , 12, 26	4	1
311	An in-vitro anti-inflammatory and anti-microbial essential on Ni(II), Cd(II) mixed ligand complexes by using 2,4-dinitrophenyl hydrazine and dimethylglyoxime. <i>Journal of King Saud University - Science</i> , 2022 , 34, 102114	3.6	
310	Preparation and characterization of new and novel Poly-o-Toluidine Sn(II) silicotungstate ternary nanocomposite and its environment application as indicator electrode. <i>Journal of Saudi Chemical Society</i> , 2021 , 25, 101385	4.3	0
309	Development of Cd (II) Ion Probe Based on Novel Polyaniline-Multiwalled Carbon Nanotube-3-aminopropyltriethoxysilane Composite. <i>Membranes</i> , 2021 , 11,	3.8	2
308	Investigation of Solution Behavior of Antidepressant Imipramine Hydrochloride Drug and Non-Ionic Surfactant Mixture: Experimental and Theoretical Study. <i>Polymers</i> , 2021 , 13,	4.5	2
307	Photocatalytic degradation of reactive anionic dyes RB5, RR198 and RY145 via rare earth element (REE) lanthanum substituted CaTiO ₃ perovskite catalysts. <i>Journal of Materials Research and Technology</i> , 2021 , 15, 5936-5947	5.5	4
306	Efficient Synthesis and Characterization of Polyaniline@Aluminium-Succinate Metal-Organic Frameworks Nanocomposite and Its Application for Zn(II) Ion Sensing. <i>Polymers</i> , 2021 , 13,	4.5	1
305	A Brief Study on Optical and Mechanical Properties of an Organic Material: Urea Glutaric Acid (2/1) A Third Order Nonlinear Optical Single Crystal. <i>Crystals</i> , 2021 , 11, 1239	2.3	1
304	Lignin-Derived Materials for Supercapacitors 2021 , 1-51		
303	Some Aspects of Preparations and Applications of Electrochemical Double-Layer Capacitors (Supercapacitors) 2021 , 53-77		

302	Polyaniline-Based Materials for Supercapacitors 2021 , 113-130		4
301	-Mediated Silver Nanoparticle Synthesis and Its Antagonistic Activity against Bacterial and Fungal Pathogens. <i>Antibiotics</i> , 2021 , 10,	4.9	2
300	Paradisiaca/Solanum Tuberosum Biowaste Compositated with Graphene Oxide for Flexible Supercapacitor. <i>Journal of New Materials for Electrochemical Systems</i> , 2021 , 24, 21-28	2.8	5
299	Indian mallow fiber reinforced polyester composites: mechanical and thermal properties. <i>Journal of Materials Research and Technology</i> , 2021 , 11, 274-284	5.5	13
298	Sustainable Alternative Ceiling Boards Using Palm Kernel Shell (PKS) and Balanite Shell (BS). <i>Journal of Polymers and the Environment</i> , 2021 , 29, 3878	4.5	0
297	Nanoparticles Addition in Coir-Basalt-Innegra Fibers Reinforced Bio-synthetic Epoxy Composites. <i>Journal of Polymers and the Environment</i> , 2021 , 29, 3561-3573	4.5	6
296	Enhanced Photocatalytic Activity of CuO Cabbage/RGO Nanocomposites under Visible Light Irradiation. <i>Polymers</i> , 2021 , 13,	4.5	3
295	Synthesis of Kraton/Polyaniline Ionomer Composite Membrane as Cu (II) Ion Selective Membrane Electrode. <i>Current Analytical Chemistry</i> , 2021 , 17, 653-661	1.7	
294	Fabrication of Reproducible and Selective Ammonia Vapor Sensor-Pellet of Polypyrrole/Cerium Oxide Nanocomposite for Prompt Detection at Room Temperature. <i>Polymers</i> , 2021 , 13,	4.5	6
293	Pongamia pinnata shell powder filled sisal/kevlar hybrid composites: Physicomechanical and morphological characteristics. <i>Polymer Composites</i> , 2021 , 42, 4434-4447	3	12
292	Isolation and Production of Nanocrystalline Cellulose from Conocarpus Fiber. <i>Polymers</i> , 2021 , 13,	4.5	6
291	Novel Aminosilane (APTES)-Grafted Polyaniline@Graphene Oxide (PANI-GO) Nanocomposite for Electrochemical Sensor. <i>Polymers</i> , 2021 , 13,	4.5	4
290	Effect of TiC nanoparticles on accelerated weathering of coir fiber filler and basalt fabric reinforced bio/synthetic epoxy hybrid composites: Physicomechanical and thermal characteristics. <i>Polymer Composites</i> , 2021 , 42, 4897-4910	3	4
289	A New Class of Polyethylene Glycol-Grafted Graphene Carbon Nanotube Composite as a Selective Adsorbent for Au(III). <i>Waste and Biomass Valorization</i> , 2021 , 12, 937-946	3.2	3
288	Polythiophene/graphene/zinc tungstate nanocomposite: Synthesis, characterization, DC electrical conductivity and cigarette smoke sensing application. <i>Polymers and Polymer Composites</i> , 2021 , 29, 605-616	0.8	5
287	Structural and Thermal Properties of Chemically Modified Luffa Cylindrica Fibers. <i>Journal of Natural Fibers</i> , 2021 , 18, 1038-1044	1.8	31
286	Physico-Chemical Properties of Fiber Extracted from the Flower of Celosia Argentea Plant. <i>Journal of Natural Fibers</i> , 2021 , 18, 464-473	1.8	16
285	Energy-Efficient Technology of Epoxy Polymers Producing by Using Ultrasonic Treatment. <i>Lecture Notes in Mechanical Engineering</i> , 2021 , 290-299	0.4	

284	Enhanced Magneto-Optical, Morphological, and Photocatalytic Properties of Nickel-Substituted SnO ₂ Nanoparticles. <i>Journal of Superconductivity and Novel Magnetism</i> , 2021 , 34, 825-836	1.5	3
283	Sustainable Product Packaging Using Vegetables Fibres and Its Composite. <i>Composites Science and Technology</i> , 2021 , 275-302		
282	Socio-economic demands and challenges for non-invasive disease diagnosis through a portable breathalyzer by the incorporation of 2D nanosheets and SMO nanocomposites.. <i>RSC Advances</i> , 2021 , 11, 21216-21234	3.7	9
281	Tribological Behavior of Glass/Sisal Fiber Reinforced Polyester Composites. <i>Composites Science and Technology</i> , 2021 , 445-459		3
280	Environmental Impact Study on Biobased Composites Using Lifecycle Methodology 2021 , 213-222		1
279	Forecasts of Natural Fiber Reinforced Polymeric Composites and Its Degradability Concerns [A Review 2021 , 175-196		0
278	Effect of low levels of hydrotropes on micellization of phenothiazine drug. <i>Korean Journal of Chemical Engineering</i> , 2021 , 38, 386-399	2.8	2
277	Synthesis, Spectral Characterization and Biological Activities of Co(II) and Ni(II) Mixed Ligand Complexes. <i>Molecules</i> , 2021 , 26,	4.8	7
276	Effect of coir fiber and TiC nanoparticles on basalt fiber reinforced epoxy hybrid composites: physico-mechanical characteristics. <i>Cellulose</i> , 2021 , 28, 3451-3471	5.5	30
275	Enhanced electrochemical performance and humidity sensing properties of Al ³⁺ substituted mesoporous SnO ₂ nanoparticles. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2021 , 133, 114820	3	3
274	Extraction of Microcrystalline Cellulose from Washingtonia Fibre and Its Characterization. <i>Polymers</i> , 2021 , 13,	4.5	5
273	Preparation and characterization of CNTs reinforced polyaniline@Zn-CuO nanocomposite for environmental applications. <i>AEJ - Alexandria Engineering Journal</i> , 2021 , 60, 4857-4864	6.1	2
272	Aggregational behaviour of promethazine hydrochloride and TX-45 surfactant mixtures: A multi-techniques approach. <i>Journal of Molecular Liquids</i> , 2021 , 342, 117558	6	5
271	Unveiling the photosensitive and magnetic properties of amorphous iron nanoparticles with its application towards decontamination of water and cancer treatment. <i>Journal of Materials Research and Technology</i> , 2021 , 15, 99-118	5.5	3
270	Effect of TiC Nanoparticles Reinforcement in Coir Fiber Based Bio/Synthetic Epoxy Hybrid Composites: Mechanical and Thermal Characteristics. <i>Journal of Polymers and the Environment</i> , 2021 , 29, 2609	4.5	13
269	Electrical Conductivity Based Ammonia Sensing Properties of Polypyrrole/MoS Nanocomposite. <i>Polymers</i> , 2020 , 12,	4.5	14
268	Simulation of thermo-mechanical behaviour of friction drilling process. <i>International Journal of Computational Materials Science and Surface Engineering</i> , 2020 , 9, 70	0.4	3
267	Effect of MWCNT Surface Functionalisation and Distribution on Compressive Properties of Kenaf and Hybrid Kenaf/Glass Fibres Reinforced Polymer Composites. <i>Polymers</i> , 2020 , 12,	4.5	7

266	Mechanical, water absorption and wear characteristics of novel polymeric composites: Impact of hybrid natural fibers and oil cake filler addition. <i>Journal of Industrial Textiles</i> , 2020 , 152808372097134	1.6	27
265	Characterization of Natural Cellulose Fiber from the Barks of <i>Vachellia farnesiana</i> . <i>Journal of Natural Fibers</i> , 2020 , 1-10	1.8	40
264	Extraction and Characterization of Natural Fibers from <i>Citrullus lanatus</i> Climber. <i>Journal of Natural Fibers</i> , 2020 , 1-9	1.8	20
263	Investigation on the Physicochemical and Mechanical Properties of Novel Alkali-treated <i>Phaseolus vulgaris</i> Fibers. <i>Journal of Natural Fibers</i> , 2020 , 1-12	1.8	24
262	Ultra-sensitive, highly selective and completely reversible ammonia sensor based on polythiophene/SWCNT nanocomposite. <i>Materialia</i> , 2020 , 10, 100704	3.2	18
261	Characterization of New Cellulosic Fiber from the Bark of <i>Acacia nilotica</i> L. Plant. <i>Journal of Natural Fibers</i> , 2020 , 1-10	1.8	32
260	BaSrLaFe ₁₂ O ₁₉ nanorods: optical and magnetic properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 8022-8032	2.1	8
259	Microcrystalline Cellulose from Fruit Bunch Stalk of Date Palm: Isolation and Characterization. <i>Journal of Polymers and the Environment</i> , 2020 , 28, 1766-1775	4.5	10
258	Emerging role of long non-coding RNAs in cancer chemoresistance: unravelling the multifaceted role and prospective therapeutic targeting. <i>Molecular Biology Reports</i> , 2020 , 47, 5569-5585	2.8	10
257	Recent Advances of Hybrid Fiber Composites for Various Applications 2020 , 381-404		2
256	Failure Mechanisms of Fiber Composites 2020 , 99-116		
255	Natural and Synthetic Fibers for Hybrid Composites 2020 , 1-15		4
254	Flame-Retardant Balsa Wood/GFRP Sandwich Composites, Mechanical Evaluation, and Comparisons with Other Sandwich Composites 2020 , 169-195		
253	Biocomposites Reinforced with Animal and Regenerated Fibers 2020 , 197-215		1
252	Characterization of Mechanical and Tribological Properties of Vinyl Ester-Based Hybrid Green Composites 2020 , 233-263		1
251	Thermomechanical Characterization of Vacuum Resin Infusion-Molded Ceramic Rock-Derived Natural Wool-Reinforced Epoxy and Cashew Nut Shell Liquid-Based Composites 2020 , 265-306		1
250	Hydrogel Scaffold-Based Fiber Composites for Engineering Applications 2020 , 307-350		2
249	Experimental Analysis of Styrene, Particle Size, and Fiber Content in the Mechanical Properties of Sisal Fiber Powder Composites 2020 , 351-367		0

248	Influence of Fiber Content in the Water Absorption and Mechanical Properties of Sisal Fiber Powder Composites 2020 , 369-380		
247	Recent Advances of Hybrid Fiber Composites for Various Applications 2020 , 381-404		
246	Effect of Process Engineering on the Performance of Hybrid Fiber Composites 2020 , 17-40		1
245	Mechanical and Physical Test of Hybrid Fiber Composites 2020 , 41-68		0
244	Experimental Investigations in the Drilling of Hybrid Fiber Composites 2020 , 69-85		2
243	Fracture Analysis on Silk and Glass Fiber-Reinforced Hybrid Composites 2020 , 87-97		0
242	Ballistic Behavior of Fiber Composites 2020 , 117-127		
241	Mechanical Behavior of Synthetic/Natural Fibers in Hybrid Composites 2020 , 129-146		2
240	Bast Fiber-Based Polymer Composites 2020 , 147-167		4
239	A new study on effect of various chemical treatments on Agave Americana fiber for composite reinforcement: Physico-chemical, thermal, mechanical and morphological properties. <i>Polymer Testing</i> , 2020 , 85, 106437	4.5	83
238	Characterization of a novel natural cellulosic fiber from Calotropis gigantea fruit bunch for ecofriendly polymer composites. <i>International Journal of Biological Macromolecules</i> , 2020 , 150, 793-801	7.9	55
237	Electrical conductivity and alcohol sensing studies on polythiophene/tin oxide nanocomposites. <i>Journal of Science: Advanced Materials and Devices</i> , 2020 , 5, 84-94	4.2	18
236	DC electrical conductivity and liquefied petroleum gas sensing application of polythiophene/zinc oxide nanocomposite. <i>Materialia</i> , 2020 , 9, 100599	3.2	22
235	Graphene/iridium(III) dimer complex composite modified glassy carbon electrode as selective electrochemical sensor for determination of hydroquinone in real-life water samples. <i>International Journal of Environmental Analytical Chemistry</i> , 2020 , 1-18	1.8	1
234	Hybrid poly(ether-arylidene-ether-sulphone)s derivatives for divalent cobalt ion detection. <i>SN Applied Sciences</i> , 2020 , 2, 1	1.8	2
233	Effect of cellulose nano fibers and nano clays on the mechanical, morphological, thermal and dynamic mechanical performance of kenaf/epoxy composites. <i>Carbohydrate Polymers</i> , 2020 , 239, 116248	10.3	35
232	Na ₃ MnPO ₄ CO ₃ as cathode for aqueous sodium ion batteries: Synthesis and electrochemical characterization. <i>Materials Chemistry and Physics</i> , 2020 , 248, 122952	4.4	8
231	Gould-Hopper matrix-Bessel and Gould-Hopper matrix-Tricomi functions and related integral representations. <i>AIMS Mathematics</i> , 2020 , 5, 4613-4623	2.2	1

230	Biogenic Synthesis of Selenium Nanoparticles with Edible Mushroom Extract: Evaluation of Cytotoxicity on Prostate Cancer Cell Lines and Their Antioxidant, and Antibacterial Activity. <i>Biointerface Research in Applied Chemistry</i> , 2020 , 10, 6629-6639	2.8	10
229	Cellulose Derived Graphene/Polyaniline Nanocomposite Anode for Energy Generation and Bioremediation of Toxic Metals via Benthic Microbial Fuel Cells. <i>Polymers</i> , 2020 , 13,	4.5	41
228	Conductometric Study of Complexation of Macrocyclic Compounds with Zinc(II) and Copper(II) Ions in Aqueous-Organic Solvent Mixtures. <i>Russian Journal of Physical Chemistry A</i> , 2020 , 94, 2752-2759	0.7	1
227	Morphological, chemical and thermal analysis of cellulose nanocrystals extracted from bamboo fibre. <i>International Journal of Biological Macromolecules</i> , 2020 , 160, 183-191	7.9	40
226	Composite Material Based Conducting Polymers for Electrochemical Sensor Applications: a Mini Review. <i>BioNanoScience</i> , 2020 , 10, 351-364	3.4	28
225	Characterization of Natural Fibers from Cortaderia Selloana Grass (Pampas) as Reinforcement Material for the Production of the Composites. <i>Journal of Natural Fibers</i> , 2020 , 1-9	1.8	33
224	Influence of Different Additives on the Interaction of Quinolone Antibiotic Drug with Surfactant: Conductivity and Cloud Point Measurement Study. <i>Journal of Surfactants and Detergents</i> , 2020 , 23, 457-470	1.0	12
223	Extraction and characterization of vetiver grass (<i>Chrysopogon zizanioides</i>) and kenaf fiber (<i>Hibiscus cannabinus</i>) as reinforcement materials for epoxy based composite structures. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 773-778	5.5	29
222	Polyphenylsulfone/multiwalled carbon nanotubes mixed ultrafiltration membranes: Fabrication, characterization and removal of heavy metals Pb ²⁺ , Hg ²⁺ , and Cd ²⁺ from aqueous solutions. <i>Arabian Journal of Chemistry</i> , 2020 , 13, 4661-4672	5.9	40
221	Electrically conductive self-healing materials: preparation, properties, and applications 2020 , 1-13		2
220	Self-repairing fiber polymer composites: mechanisms and properties 2020 , 71-85		
219	Self-healing of polymer materials and their composites 2020 , 103-121		
218	Graphene-based material for self-healing: mechanism, synthesis, characteristics, and applications 2020 , 163-175		1
217	Composite for self-repairing covering to hinder corrosion 2020 , 209-224		
216	Synthesis of carbon self-repairing porous hybrid composites for supercapacitors 2020 , 225-238		
215	Effect of self-healing on zeolite-immobilized bacterial cementitious mortar composites 2020 , 239-257		1
214	Self-repairing hollow-fiber polymer composites 2020 , 313-326		3
213	Concept of self-repair and efficiency measurement in polymer matrix composites 2020 , 375-391		2

212	Self-healing fiber-reinforced epoxy composites 2020 , 393-404		1
211	Mechanical behavior of self-healing polyethylenimine/polyacrylic acid multilevel polymer films 2020 , 405-414		
210	Self-healing polymer composites and its chemistry 2020 , 415-427		24
209	Electrical conductivity and ammonia sensing studies on polythiophene/MWCNTs nanocomposites. <i>Materialia</i> , 2020 , 14, 100868	3.2	14
208	Preparation and properties of newly synthesized Polyaniline@Graphene oxide/Ag nanocomposite for highly selective sensor application. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 10459-10467	5.5	8
207	Effect of alkali treatment on performance characterization of Ziziphus mauritiana fiber and its epoxy composites. <i>Journal of Industrial Textiles</i> , 2020 , 152808372094261	1.6	17
206	Novel Spider Silk Fiber for High-Performance Textiles and Eco-friendly Armor Applications. <i>Journal of Natural Fibers</i> , 2020 , 1-6	1.8	3
205	Effects of Date Palm fibres loading on mechanical, and thermal properties of Date Palm reinforced phenolic composites. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 3614-3621	5.5	30
204	Nanocomposite cross-linked conjugated polyelectrolyte/MWCNT/poly(pyrrole) for enhanced Mg ²⁺ ion sensing and environmental remediation in real samples. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 9667-9674	5.5	5
203	Detection of mycobacterial CFP-10 (Rv3874) protein in tuberculosis patients by gold nanoparticle-based real-time immuno-PCR. <i>Future Microbiology</i> , 2020 , 15, 601-612	2.9	5
202	Tensile and Flexural Properties of Silica Nanoparticles Modified Unidirectional Kenaf and Hybrid Glass/Kenaf Epoxy Composites. <i>Polymers</i> , 2020 , 12,	4.5	18
201	Hybrid Effect of PJFs/E-glass/Carbon Fabric Reinforced Hybrid Epoxy Composites for Structural Applications.. <i>Journal of Natural Fibers</i> , 2020 , 1-11	1.8	12
200	Preparation and characterization of new hybrid polymer composites from Phoenix pusilla fibers/E-glass/carbon fabrics on potential engineering applications: Effect of stacking sequence. <i>Polymer Composites</i> , 2020 , 41, 4572-4582	3	15
199	Microwave-assisted synthesis of micro/nano NdO powders. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 10478-10490	5.5	3
198	Diagnosis of tuberculosis by nanoparticle-based immuno-PCR assay based on mycobacterial MPT64 and CFP-10 detection. <i>Nanomedicine</i> , 2020 , 15, 2609-2624	5.6	7
197	Preparation and characterization of polyvinylchloride membrane embedded with Cu nanoparticles for electrochemical oxidation in direct methanol fuel cell. <i>Transactions of Nonferrous Metals Society of China</i> , 2020 , 30, 2207-2216	3.3	4
196	Experimental investigation on the mechanical and morphological behavior of Prosopis juliflora bark fibers/E-glass/carbon fabrics reinforced hybrid polymeric composites for structural applications. <i>Polymer Composites</i> , 2020 , 41, 4983-4993	3	14
195	Extraction and Characterization of Cellulose Fibers from the Stem of Momordica Charantia. <i>Journal of Natural Fibers</i> , 2020 , 1-11	1.8	24

194	The effect of γ -irradiated conducting polymer electrolyte and its application of dye-sensitized solar cells to building window glass system. <i>Journal of Solid State Electrochemistry</i> , 2020 , 24, 251-261	2.6	6
193	Low-Frequency Ultrasound as an Effective Method of Energy Saving During Forming of Reactoplastic Composite Materials. <i>Lecture Notes in Mechanical Engineering</i> , 2020 , 755-764	0.4	3
192	Synthesis, characterisation and ethanol sensing application of polythiophene/graphene nanocomposite. <i>Materials Chemistry and Physics</i> , 2020 , 239, 122324	4.4	40
191	Induced dielectric behavior in high dense $\text{Al}_x\text{La}_{1-x}\text{TiO}_3$ ($x = 0.20.8$) nanospheres. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 20253-20264	2.1	17
190	Detection of Mycobacterium tuberculosis lipoarabinomannan and CFP-10 (Rv3874) from urinary extracellular vesicles of tuberculosis patients by immuno-PCR. <i>Pathogens and Disease</i> , 2019 , 77,	4.2	13
189	Effect of imidazole based polymer blend electrolytes for dye-sensitized solar cells in energy harvesting window glass applications. <i>Chinese Journal of Chemical Engineering</i> , 2019 , 27, 2807-2814	3.2	5
188	Porous organic polymer composites as surging catalysts for visible-light-driven chemical transformations and pollutant degradation. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2019 , 41, 100319	16.4	18
187	Graphene-based nano metal matrix composites: A review 2019 , 153-170		8
186	Synthesis, properties, and characterization of carbon nanotube-reinforced metal matrix composites 2019 , 805-830		3
185	Functionalized Graphene Aerogel: Structural and Morphological Properties and Applications 2019 , 157-176		2
184	Micellization behavior of bile salt with pluronic (F-127) and synthesis of silver nanoparticles in a mixed system. <i>Journal of Physical Organic Chemistry</i> , 2019 , 32, e3964	2.1	4
183	Design and Preparation of a New and Novel Nanocomposite with CNTs and Its Sensor Applications. <i>Journal of Materials Research and Technology</i> , 2019 , 8, 2238-2246	5.5	25
182	Surfactant-assisted graphene oxide/methylaniline nanocomposites for lead ionic sensor development for the environmental remediation in real sample matrices. <i>International Journal of Environmental Science and Technology</i> , 2019 , 16, 8461-8470	3.3	9
181	Nanotechnology for Phytoremediation of Heavy Metals: Mechanisms of Nanomaterial-Mediated Alleviation of Toxic Metals 2019 , 315-327		5
180	Equilibrium, Kinetics and Thermodynamics of Bovine Serum Albumin from Carbon Based Materials Obtained from Food Wastes. <i>BioNanoScience</i> , 2019 , 9, 692-701	3.4	5
179	The Kinetic Parameters of Adsorption of Enzymes Using Carbon-Based Materials Obtained from Different Food Wastes. <i>BioNanoScience</i> , 2019 , 9, 749-757	3.4	6
178	Thermodynamics, Kinetics, and Adsorption Properties of Biomolecules onto Carbon-Based Materials Obtained from Food Wastes. <i>BioNanoScience</i> , 2019 , 9, 672-682	3.4	6
177	Nanographene composite ion exchanger properties and applications 2019 , 629-649		2

176	Nanocarbon composites for poisonous gas degradation 2019 , 383-399		1
175	Characterization of new cellulosic fiber: <i>Dracaena reflexa</i> as a reinforcement for polymer composite structures. <i>Journal of Materials Research and Technology</i> , 2019 , 8, 1952-1963	5.5	69
174	Facial synthesis of highly active polymer vanadium molybdate nanocomposite: Improved thermoelectric and antimicrobial studies. <i>Journal of Physics and Chemistry of Solids</i> , 2019 , 131, 148-155	3.9	13
173	A study on optical limiting properties of Eosin-Y and Eriochrome Black-T dye-doped poly (vinyl alcohol) composite film. <i>International Journal of Polymer Analysis and Characterization</i> , 2019 , 24, 326-333	1.7	7
172	Ultrasonic treatment in the production of classical composites and carbon nanocomposites 2019 , 733-780		1
171	Preparation of new and novel wave like poly(2-anisidine) zirconium tungstate nanocomposite: Thermal, electrical and ion-selective studies. <i>Chinese Journal of Chemical Engineering</i> , 2019 , 27, 459-466	3.2	10
170	Transport and surface charge density of univalent ion of polyvinyl chloride-based barium tungstate ion-exchange composite membrane for industrial separation of waste water. <i>Journal of Industrial Textiles</i> , 2019 , 49, 584-596	1.6	4
169	Conjugated mesoporous polyazobenzenePd(II) composite: A potential catalyst for visible-light-induced Sonogashira coupling. <i>Journal of Catalysis</i> , 2019 , 377, 183-189	7.3	9
168	Progress on Catalyst Development for Direct Synthesis of Dimethyl Carbonate from CO ₂ and Methanol. <i>Chemistry Africa</i> , 2019 , 2, 533-549	2.2	6
167	Characterization of raw and alkali treated new natural cellulosic fibres extracted from the aerial roots of banyan tree. <i>International Journal of Biological Macromolecules</i> , 2019 , 138, 573-581	7.9	85
166	Thermally stable and highly sensitive ethene gas sensor based on polythiophene/zirconium oxide nanocomposites. <i>Materials Today Communications</i> , 2019 , 20, 100574	2.5	19
165	Nanostructured Polymer Composites for Bio-Applications 2019 , 167-188		1
164	Enhancing catalytic performance via structure core-shell metal-organic frameworks. <i>Journal of Catalysis</i> , 2019 , 375, 371-379	7.3	15
163	Graphene-Based Nanomaterials for Hydrogen Storage. <i>Carbon Nanostructures</i> , 2019 , 229-245	0.6	
162	Graphene Functionalizations on Copper by Spectroscopic Techniques. <i>Carbon Nanostructures</i> , 2019 , 313-333		
161	Enhanced Electrocatalytic Activity and Durability of PtRu Nanoparticles Decorated on rGO Material for Ethanol Oxidation Reaction. <i>Carbon Nanostructures</i> , 2019 , 389-398	0.6	6
160	Electrochemical Detection of Dopamine in the Presence of Uric Acid Using Graphene Oxide Modified Electrode as Highly Sensitive and Selective Sensors. <i>Carbon Nanostructures</i> , 2019 , 179-192	0.6	2
159	SDBS-functionalized MWCNT/poly(o-toluidine) nanowires modified glassy carbon electrode as a selective sensing platform for Ce ³⁺ in real samples. <i>Journal of Molecular Liquids</i> , 2019 , 279, 392-399	6	16

158	Apigenin, A Plant Flavone Playing Noble Roles in Cancer Prevention Via Modulation of Key Cell Signaling Networks. <i>Recent Patents on Anti-Cancer Drug Discovery</i> , 2019 , 14, 298-311	2.6	15
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15	Electrical conductivity and cation exchange kinetic studies on poly-o-toluidine Th(IV) phosphate nano-composite cation exchange material. <i>Talanta</i> , 2007 , 73, 850-6	6.2	34

14	A comprehensive review on performance and machinability of plant fiber polymer composites. <i>Polymer Composites</i> ,	3	4
13	The Effects of Stacking Sequence on the Mechanical and Water Absorption Properties of Areca-Pineapple Fiber-based Epoxy Composites. <i>Journal of Natural Fibers</i> ,1-12	1.8	1
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11	DC electrical conductivity retention and acetone/acetaldehyde sensing on polythiophene/molybdenum disulphide composites. <i>Polymers and Polymer Composites</i> ,096739112110027 ^{6,8}	0.8	2
10	Effect of Layering Sequence on Impact Properties of Alkali Treated Phoenix Pusilla Fibers-Glass-Carbon Fabrics Reinforced Hybrid Composite Laminates. <i>Journal of Natural Fibers</i> ,1-11	1.8	6
9	Heat transfer and friction factor correlations for double pipe heat exchanger with inner and outer corrugation. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> ,1-28	1.6	1
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1	Isolation and Characterization of New Cellulosic Microfibers from Pandan Duri (Pandanus Tectorius) for Sustainable Environment. <i>Journal of Natural Fibers</i> ,1-11	1.8	1