

Vinoth Kumar Ponnusamy

List of Publications by Citations

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121
papers

2,465
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28
h-index

45
g-index

127
ext. papers

3,466
ext. citations

5.7
avg, IF

6.12
L-index

#	Paper	IF	Citations
121	A review on lignin structure, pretreatments, fermentation reactions and biorefinery potential. <i>Bioresource Technology</i> , 2019 , 271, 462-472	11	239
120	A novel graphene nanosheets coated stainless steel fiber for microwave assisted headspace solid phase microextraction of organochlorine pesticides in aqueous samples followed by gas chromatography with electron capture detection. <i>Journal of Chromatography A</i> , 2011 , 1218, 6861-8	4.5	118
119	Silver nanoparticles in dye effluent treatment: A review on synthesis, treatment methods, mechanisms, photocatalytic degradation, toxic effects and mitigation of toxicity. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020 , 205, 111823	6.7	110
118	Rapid microwave assisted synthesis of graphene nanosheets/polyethyleneimine/gold nanoparticle composite and its application to the selective electrochemical determination of dopamine. <i>Talanta</i> , 2014 , 120, 148-57	6.2	82
117	Potential of two-stage cultivation in microalgae biofuel production. <i>Fuel</i> , 2019 , 252, 339-349	7.1	70
116	Biobutanol as a promising liquid fuel for the future - recent updates and perspectives. <i>Fuel</i> , 2019 , 253, 637-646	7.1	70
115	Application of nanotechnology (nanoparticles) in dark fermentative hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 1431-1440	6.7	69
114	A systematic review on recent trends in transmission, diagnosis, prevention and imaging features of COVID-19. <i>Process Biochemistry</i> , 2020 , 98, 233-240	4.8	65
113	One-step preparation of graphitic carbon nitride/Polyaniline/Palladium nanoparticles based nanohybrid composite modified electrode for efficient methanol electro-oxidation. <i>Fuel</i> , 2019 , 251, 91-97 ¹	7.1	60
112	A review on hybrid techniques for the degradation of organic pollutants in aqueous environment. <i>Ultrasonics Sonochemistry</i> , 2020 , 67, 105130	8.9	58
111	Review on sustainable production of biochar through hydrothermal liquefaction: Physico-chemical properties and applications. <i>Bioresource Technology</i> , 2020 , 310, 123414	11	56
110	The optimization of oil extraction from macroalgae, <i>Rhizoclonium</i> sp. by chemical methods for efficient conversion into biodiesel. <i>Fuel</i> , 2020 , 274, 117841	7.1	55
109	A novel fatty-acid-based in-tube dispersive liquid-liquid microextraction technique for the rapid determination of nonylphenol and 4-tert-octylphenol in aqueous samples using high-performance liquid chromatography-ultraviolet detection. <i>Analytica Chimica Acta</i> , 2015 , 854, 70-7	6.6	51
108	A review on the conversion of volatile fatty acids to polyhydroxyalkanoates using dark fermentative effluents from hydrogen production. <i>Bioresource Technology</i> , 2019 , 287, 121427	11	50
107	Rapid determination of triclosan in personal care products using new in-tube based ultrasound-assisted salt-induced liquid-liquid microextraction coupled with high performance liquid chromatography-ultraviolet detection. <i>Analytica Chimica Acta</i> , 2013 , 767, 81-7	6.6	50
106	Effect of hydrogen and multiwall carbon nanotubes blends on combustion performance and emission of diesel engine using Taguchi approach. <i>Fuel</i> , 2020 , 276, 118120	7.1	46
105	Determination of pyrethroid metabolites in human urine using liquid phase microextraction coupled in-syringe derivatization followed by gas chromatography/electron capture detection. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 401, 927-37	4.4	44

104	Effect of nanoparticles and hydrogen on combustion performance and exhaust emission of corn blended biodiesel in compression ignition engine with advanced timing. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 3327-3339	6.7	43
103	Impact of additives in Jet-A fuel blends on combustion, emission and exergetic analysis using a micro-gas turbine engine. <i>Fuel</i> , 2020 , 276, 118104	7.1	42
102	Passive cell disruption lipid extraction methods of microalgae for biofuel production [A review]. <i>Fuel</i> , 2019 , 252, 699-709	7.1	40
101	A nanocomposite consisting of porous graphitic carbon nitride nanosheets and oxidized multiwalled carbon nanotubes for simultaneous stripping voltammetric determination of cadmium(II), mercury(II), lead(II) and zinc(II). <i>Mikrochimica Acta</i> , 2019 , 186, 69	5.8	39
100	Bioethanol production from the comparison between optimization of sorghum stalk and sugarcane leaf for sugar production by chemical pretreatment and enzymatic degradation. <i>Fuel</i> , 2020 , 278, 118262	7.1	37
99	Catalytic hydrothermal liquefaction of biomass into bio-oils and other value-added products [A review]. <i>Fuel</i> , 2021 , 285, 119053	7.1	35
98	Controlled synthesis of Pt nanoparticle supported TiO ₂ nanorods as efficient and stable electrocatalysts for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 23435-23444	12	35
97	Green synthesis of biocompatible nanostructured hydroxyapatite from <i>Cirrhinus mrigala</i> fish scale [A biowaste to biomaterial]. <i>Ceramics International</i> , 2019 , 45, 7804-7810	5.1	34
96	Cs-tungstosilicic acid/Zr-KIT-6 for esterification of oleic acid and transesterification of non-edible oils for green diesel production. <i>Fuel</i> , 2018 , 234, 824-835	7.1	33
95	Electronic waste generation, recycling and resource recovery: Technological perspectives and trends. <i>Journal of Hazardous Materials</i> , 2021 , 416, 125664	12.8	31
94	Green synthesis of silver nanoparticles using aqueous rhizome extract of and : In-vitro anti-cancer potential on human colon carcinoma HT-29 cells. <i>Saudi Journal of Biological Sciences</i> , 2020 , 27, 2980-2986	6	29
93	Electrochemically sandwiched poly(diphenylamine)/phosphotungstic acid/graphene nanohybrid as highly sensitive and selective urea biosensor. <i>Synthetic Metals</i> , 2019 , 254, 134-140	3.6	28
92	A composite film prepared from titanium carbide TiCT (MXene) and gold nanoparticles for voltammetric determination of uric acid and folic acid. <i>Mikrochimica Acta</i> , 2019 , 187, 33	5.8	25
91	Development of pressurized hot water extraction for five flavonoid glycosides from defatted <i>Camellia oleifera</i> seeds (byproducts). <i>Industrial Crops and Products</i> , 2017 , 95, 296-304	5.9	23
90	Determination of ammonium in aqueous samples using new headspace dynamic in-syringe liquid-phase microextraction with in situ derivitization coupled with liquid chromatography-fluorescence detection. <i>Analytica Chimica Acta</i> , 2012 , 754, 54-60	6.6	23
89	<i>Agaricus bisporus</i> mediated biosynthesis of copper nanoparticles and its biological effects: An in-vitro study. <i>Colloids and Interface Science Communications</i> , 2020 , 35, 100254	5.4	21
88	Rapid analysis of chlorinated anilines in environmental water samples using ultrasound assisted emulsification microextraction with solidification of floating organic droplet followed by HPLC-UV detection. <i>Talanta</i> , 2012 , 97, 279-84	6.2	20
87	Catalytic transformation of non-edible oils to biofuels through hydrodeoxygenation using Mo-Ni/mesoporous alumina-silica catalysts. <i>Fuel</i> , 2020 , 262, 116494	7.1	20

86	Electrochemical determination of 4-nitrophenol in environmental water samples using porous graphitic carbon nitride-coated screen-printed electrode. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 17481-17491	5.1	20
85	Ultra-high sensitive, selective, non-enzymatic dopamine sensor based on electrochemically active graphene decorated Polydiphenylamine-SiO ₂ nanohybrid composite. <i>Ceramics International</i> , 2020 , 46, 23276-23281	5.1	19
84	Metabolomics integrated with transcriptomics and proteomics: Evaluation of systems reaction to nitrogen deficiency stress in microalgae. <i>Process Biochemistry</i> , 2020 , 91, 1-14	4.8	19
83	Various potential techniques to reduce the water footprint of microalgal biomass production for biofuel-A review. <i>Science of the Total Environment</i> , 2020 , 749, 142218	10.2	19
82	Efficient electro-catalytic oxidation of ethylene glycol using flower-like graphitic carbon nitride/iron oxide/palladium nanocomposite for fuel cell application. <i>Fuel</i> , 2020 , 280, 118646	7.1	19
81	Analysis of hexachlorocyclohexanes in aquatic samples by one-step microwave-assisted headspace controlled-temperature liquid-phase microextraction and gas chromatography with electron capture detection. <i>Journal of Chromatography A</i> , 2010 , 1217, 1891-7	4.5	18
80	Influence of chromium content on microstructural and electrochemical supercapacitive properties of vanadium nitride thin films developed by reactive magnetron co-sputtering process. <i>Ceramics International</i> , 2019 , 45, 12643-12653	5.1	17
79	Absolute removal of ciprofloxacin and its degraded byproducts in aqueous solution using an efficient electrochemical oxidation process coupled with adsorption treatment technique. <i>Journal of Environmental Management</i> , 2019 , 245, 409-417	7.9	16
78	Supercapacitive properties of manganese nitride thin film electrodes prepared by reactive magnetron sputtering: Effect of different electrolytes. <i>Ceramics International</i> , 2019 , 45, 17120-17127	5.1	14
77	A fast and sensitive analytical procedure for monitoring of synthetic pyrethroid pesticidesU metabolites in environmental water samples. <i>Microchemical Journal</i> , 2019 , 148, 355-363	4.8	14
76	Synthesis and characterization of nanostructured nickel phosphate as a robust electrocatalyst for the highly sensitive voltammetric determination of chlorpromazine in biological sample. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018 , 93, 11-20	5.3	14
75	Rapid determination of dichlorodiphenyltrichloroethane and its main metabolites in aqueous samples by one-step microwave-assisted headspace controlled-temperature liquid-phase microextraction and gas chromatography with electron capture detection. <i>Chemosphere</i> , 2011 , 83, 200-7	8.4	14
74	Enhancement of biofuel production by microalgae using cement flue gas as substrate. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 17571-17586	5.1	14
73	Novel PDPA-SiO ₂ nanosphericals network decorated graphene nanosheets composite coated FTO electrode for efficient electro-oxidation of methanol. <i>Fuel</i> , 2020 , 279, 118439	7.1	13
72	Liquid hot water extraction as a chemical-free pretreatment approach for biobutanol production from <i>Cassia fistula</i> pods. <i>Fuel</i> , 2020 , 279, 118393	7.1	13
71	Determination of alachlor and its metabolite 2,6-diethylaniline in microbial culture medium using online microdialysis enriched-sampling coupled to high-performance liquid chromatography. <i>Journal of Agricultural and Food Chemistry</i> , 2011 , 59, 8078-85	5.7	13
70	Green route synthesis of nanoporous copper oxide for efficient supercapacitor and capacitive deionization performances. <i>International Journal of Energy Research</i> , 2020 , 44, 10682-10694	4.5	13
69	Low-cost disposable Poly(ethyleneimine)-Functionalized Carbon Nanofibers Coated Cellulose Paper as efficient solid phase extraction sorbent material for the extraction of Parahydroxybenzoates from environmental waters. <i>Chemosphere</i> , 2021 , 267, 129274	8.4	12

68	Hierarchical CuO microstructures synthesis for visible light driven photocatalytic degradation of Reactive Black-5 dye. <i>Journal of Environmental Chemical Engineering</i> , 2018 , 6, 6059-6068	6.8	12
67	Novel solvent-free microwave-assisted extraction coupled with low-density solvent-based in-tube ultrasound-assisted emulsification microextraction for the fast analysis of organophosphorus pesticides in soils. <i>Journal of Separation Science</i> , 2013 , 36, 2339-47	3.4	11
66	Lignin valorisation via enzymes: A sustainable approach. <i>Fuel</i> , 2021 , 122608	7.1	11
65	Rapid determination of remdesivir (SARS-CoV-2 drug) in human plasma for therapeutic drug monitoring in COVID-19-Patients. <i>Process Biochemistry</i> , 2021 , 102, 150-156	4.8	11
64	Sensitive and Selective Determination of Uric Acid Using Polyaniline and Iron Composite Film Modified Electrode. <i>International Journal of Electrochemical Science</i> , 2016 , 8730-8737	2.2	11
63	Novel nano-engineered environmental sensor based on polymelamine/graphitic-carbon nitride nanohybrid material for sensitive and simultaneous monitoring of toxic heavy metals. <i>Journal of Hazardous Materials</i> , 2021 , 418, 126267	12.8	11
62	Rapid analysis of triclosan in water samples using an in-tube ultrasonication assisted emulsification microextraction coupled with gas chromatography-electron capture detection. <i>Analytical Methods</i> , 2013 , 5, 2352	3.2	10
61	Facile technique towards clean fuel production by upgrading waste cooking oil in the presence of a heterogeneous catalyst. <i>Journal of King Saud University - Science</i> , 2020 , 32, 3410-3416	3.6	10
60	Nitrogen-fixing cyanobacteria as a potential resource for efficient biodiesel production. <i>Fuel</i> , 2020 , 279, 118440	7.1	9
59	Microwave assisted headspace controlled-temperature single drop microextraction for liquid chromatographic determination of chlorophenols in aqueous samples. <i>Mikrochimica Acta</i> , 2012 , 179, 141-148	5.8	9
58	Determination of sinigrin in vegetable seeds by online microdialysis sampling coupled to reverse-phase ion-pair liquid chromatography. <i>Journal of Agricultural and Food Chemistry</i> , 2010 , 58, 4571-4577	5.5	8
57	Surfactant-assisted synthesis of copper oxide nanorods for the enhanced photocatalytic degradation of Reactive Black 5 dye in wastewater. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 17438-17445	5.1	8
56	Phosphotungstic acid-Titania loaded polyaniline nanocomposite as efficient methanol electro-oxidation catalyst in fuel cells. <i>International Journal of Energy Research</i> , 2021 , 45, 8243-8254	4.5	8
55	Development and Characterization of Polydiphenylamine/CuO Nanohybrid Electrode and Its Improved Electrochemical Properties. <i>Sensor Letters</i> , 2020 , 18, 5-11	0.9	7
54	Fabrication of amperometric sensor for glucose detection based on phosphotungstic acid assisted PDPA/ZnO nanohybrid composite. <i>Ionics</i> , 2020 , 26, 6341-6349	2.7	7
53	Rapid Efficient Degradation Pathway of Tetracycline and Pb (II) Reduction Mechanism by a Novel Nanocomposite Heterojunction Photocatalysts. <i>Journal of Alloys and Compounds</i> , 2021 , 892, 162015	5.7	7
52	Fast Analysis of Synthetic Pyrethroid Metabolites in Water Samples Using In-Syringe Derivatization Coupled Hollow Fiber Mediated Liquid Phase Microextraction with GC-ECD. <i>Chromatographia</i> , 2013 , 76, 75-83	2.1	6
51	Titanium dioxide and other nanomaterials based antimicrobial additives in functional paints and coatings: Review. <i>Progress in Organic Coatings</i> , 2022 , 163, 106660	4.8	6

50	Green synthesis of lignin nanorods/g-CN nanocomposite materials for efficient photocatalytic degradation of triclosan in environmental water. <i>Chemosphere</i> , 2021 , 272, 129801	8.4	6
49	Synthesis of high polydispersity index polylactic acid and its application as gel electrolyte towards fabrication of dye-sensitized solar cells. <i>Journal of Polymer Research</i> , 2021 , 28, 1	2.7	6
48	Bioethanol production from coconut pulp residue using hydrothermal and postalkaline pretreatment. <i>International Journal of Energy Research</i> , 2021 , 45, 8140-8150	4.5	6
47	A novel electrodeposited poly(melamine)-palladium nanohybrid catalyst on GCE: Prosperous multi-functional electrode towards methanol and ethanol oxidation. <i>Fuel</i> , 2021 , 300, 121005	7.1	6
46	Palladium/Copper Nanoalloy Supported on Carbon Nanotubes for the Electrooxidation of Methanol and Ethylene Glycol. <i>ChemistrySelect</i> , 2019 , 4, 6130-6139	1.8	5
45	Surfactant assisted microwave disintegration of green marine macroalgae for enhanced anaerobic biodegradability and biomethane recovery. <i>Fuel</i> , 2020 , 281, 118802	7.1	5
44	Novel recombinant keratin degrading subtilisin like serine alkaline protease from <i>Bacillus cereus</i> isolated from marine hydrothermal vent crabs. <i>Scientific Reports</i> , 2021 , 11, 12007	4.9	5
43	Rare earth metal oxide-doped reduced graphene-oxide nanocomposite as binder-free hybrid electrode material for supercapacitor application. <i>International Journal of Energy Research</i> , 2021 , 45, 8255-8266	4.5	5
42	Novel semi-automated graphene nanosheets based pipette-tip assisted micro-solid phase extraction as eco-friendly technique for the rapid detection of emerging environmental pollutant in waters. <i>Chemosphere</i> , 2021 , 276, 130031	8.4	5
41	Role of nanomaterials in deactivating multiple drug resistance efflux pumps - A review. <i>Environmental Research</i> , 2022 , 204, 111968	7.9	5
40	Structural and size dependence magnetic properties of Mn-doped NiO nanoparticles prepared by wet chemical method. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 11101-11112	2.1	4
39	Novel one-step headspace dynamic in-syringe liquid phase derivatization-extraction technique for the determination of aqueous aliphatic amines by liquid chromatography with fluorescence detection. <i>Journal of Chromatography A</i> , 2013 , 1296, 104-10	4.5	4
38	Rapid determination of indapamide in human urine using novel low-density solvent based ultrasound assisted emulsification microextraction coupled with high performance liquid chromatography-variable wavelength detection. <i>Analytical Methods</i> , 2013 , 5, 2572	3.2	4
37	Production and utilization of pyrolysis oil from solidplastic wastes: A review on pyrolysis process and influence of reactors design. <i>Journal of Environmental Management</i> , 2022 , 302, 114046	7.9	4
36	Microwave-assisted green synthesis of multi-functional carbon quantum dots as efficient fluorescence sensor for ultra-trace level monitoring of ammonia in environmental water.. <i>Environmental Research</i> , 2021 , 206, 112589	7.9	4
35	Discarded biodiesel waste-derived lignocellulosic biomass as effective biosorbent for removal of sulfamethoxazole drug. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 17619-17630	5.1	4
34	Diapolycopenedioic-acid-diglucosyl ester and keto-myxocoxanthin glucoside ester: Novel carotenoids derived from <i>Exiguobacterium acetylicum</i> S01 and evaluation of their anticancer and anti-inflammatory activities. <i>Bioorganic Chemistry</i> , 2020 , 103, 104149	5.1	4
33	Sample Flow Rate Scan in Electrospray Ionization Mass Spectrometry Reveals Alterations in Protein Charge State Distribution. <i>Analytical Chemistry</i> , 2020 , 92, 13042-13049	7.8	4

32	Ultrasonication-assisted synthesis of gold nanoparticles decorated ultrathin graphitic carbon nitride nanosheets as a highly efficient electrocatalyst for sensitive analysis of caffeic acid in food samples. <i>Applied Nanoscience (Switzerland)</i> ,1	3.3	4
31	Improved cyclic retention and high-performance supercapacitive behavior of poly(diphenylamine-co-aniline)/phosphotungstic acid nanohybrid electrode. <i>International Journal of Energy Research</i> , 2021 , 45, 8180-8188	4.5	4
30	Effective removal of cationic methylene blue dye using nano-hydroxyapatite synthesized from fish scale bio-waste. <i>International Journal of Applied Ceramic Technology</i> , 2021 , 18, 902-912	2	4
29	Ni ₂ N ₂ O nanocomposites assembled under various morphologies like columnar, nanochains, and granular structure for removal of pollutants. <i>Materials Chemistry and Physics</i> , 2020 , 252, 123299	4.4	3
28	Novel delipidated chicken feather waste-derived carbon-based molybdenum oxide nanocomposite as efficient electrocatalyst for rapid detection of hydroquinone and catechol in environmental waters. <i>Environmental Pollution</i> , 2021 , 293, 118556	9.3	3
27	Nanotechnology-assisted production of value-added biopotent energy-yielding products from lignocellulosic biomass refinery - A review. <i>Bioresource Technology</i> , 2022 , 344, 126171	11	3
26	Rapid and sensitive analytical procedure for biomonitoring of organophosphate pesticide metabolites in human urine samples using a vortex-assisted salt-induced liquid-liquid microextraction technique coupled with ultra-high-performance liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2020 , 34 Suppl 1, e8565	2.2	3
25	Facile and low-cost production of Lantana camara stalk-derived porous carbon nanostructures with excellent supercapacitance and adsorption performance. <i>International Journal of Energy Research</i> , 2020 , 45, 17440	4.5	3
24	Induction of mitochondria-mediated apoptosis and suppression of tumor growth in zebrafish xenograft model by cyclic dipeptides identified from <i>Exiguobacterium acetylicum</i> . <i>Scientific Reports</i> , 2020 , 10, 13721	4.9	3
23	Phytochemicals intended for anticancer effects at preclinical levels to clinical practice: Assessment of formulations at nanoscale for non-small cell lung cancer (NSCLC) therapy. <i>Process Biochemistry</i> , 2021 , 104, 55-75	4.8	3
22	Facile synthesis of polyaniline/titanium carbide (MXene) nanosheets/palladium nanocomposite for efficient electrocatalytic oxidation of methanol for fuel cell application. <i>Fuel</i> , 2021 , 303, 121329	7.1	3
21	Rapid green analytical methodology for simultaneous biomonitoring of five toxic areca nut alkaloids using UHPLC-MS/MS for predicting health hazardous risks. <i>Journal of Hazardous Materials</i> , 2022 , 422, 126923	12.8	3
20	Poly(diphenylamine) and its Nanohybrids for Chemicals and Biomolecules Analysis: A Review. <i>Current Analytical Chemistry</i> , 2020 , 17,	1.7	2
19	Novel Salt-Assisted Liquid-Liquid Microextraction Technique for Environmental, Food, and Biological Samples Analysis Applications: A Review. <i>Current Analytical Chemistry</i> , 2020 , 17,	1.7	2
18	Graphene oxide as broadband hyperthermic agent and chemo-photothermal dissolution of kidney-stone mimicking calcium oxalate crystals. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021 , 405, 112917	4.7	2
17	Rapid simultaneous clinical monitoring of five oral anti-coagulant drugs in human urine using green microextraction technique coupled with LCMS/MS. <i>Journal of King Saud University - Science</i> , 2021 , 33, 101602	3.6	2
16	Higher Serum DHA and Slower Cognitive Decline in Patients with Alzheimer's Disease: Two-Year Follow-Up.. <i>Nutrients</i> , 2022 , 14,	6.7	2
15	Novel biomass-derived porous-graphitic carbon coated iron oxide nanocomposite as an efficient electrocatalyst for the sensitive detection of rutin (vitamin P) in aqueous samples.. <i>Environmental Research</i> , 2022 , 113012	7.9	2

14	Easy fabrication of a novel electro-spun PVDF-g-C3N4-Pd nanocomposite material as improved anode electrocatalyst for direct alcohol fuel cell. <i>Fuel</i> , 2022 , 324, 124496	7.1	2
13	Identification and characterization of unknown degradation impurities in beclomethasone dipropionate cream formulation using HPLC, ESI-MS and NMR. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019 , 167, 123-131	3.5	1
12	Green sample pre-treatment technique coupled with UHPLC-MS/MS for the rapid biomonitoring of dietary poly-unsaturated (omega) fatty acids to predict health risks. <i>Chemosphere</i> , 2021 , 291, 132685	8.4	1
11	Facile Hydrothermal Synthesis of Tungsten Tri-oxide/Titanium Di-oxide Nanohybrid Structures as Photocatalyst for Wastewater Treatment Application. <i>Journal of Cluster Science</i> ,1	3	1
10	Green synthesis of V2O5/ZnO nanocomposite materials for efficient photocatalytic and anti-bacterial applications. <i>Applied Nanoscience (Switzerland)</i> ,1	3.3	1
9	Porous graphene oxide based disposable non-enzymatic electrochemical sensor for the determination of nicotinamide adenine dinucleotide. <i>Micro and Nano Engineering</i> , 2022 , 15, 100133	3.4	1
8	Novel palladium-decorated molybdenum carbide/polyaniline nanohybrid material as superior electrocatalyst for fuel cell application. <i>International Journal of Hydrogen Energy</i> , 2021 ,	6.7	1
7	Effect of anti microbial and fluorescence on L-Alaninium maleate (LAM) macro and nano crystals. <i>Materials Today: Proceedings</i> , 2020 , 33, 2779-2781	1.4	0
6	Rapid in-syringe-based ultrasonic-energy assisted salt-enhanced homogeneous liquid-liquid microextraction technique coupled with HPLC/low-temperature evaporative light-scattering detector for quantification of sodium hyaluronate in food products. <i>Microchemical Journal</i> , 2022 , 172, 106898	4.8	0
5	A green and economical approach to derive nanostructured hydroxyapatite from Garra mullya fish scale waste for biocompatible energy storage applications. <i>Materials Letters</i> , 2021 , 302, 130341	3.3	0
4	Platinum nanoparticles/phosphotungstic acid nanorods anchored poly(diphenylamine) nanohybrid coated electrode as a superior electro-catalyst for oxidation of methanol. <i>Progress in Organic Coatings</i> , 2021 , 161, 106470	4.8	0
3	LC-MS/MS measurement of alkaloids in alkaline extracts of Areca nut preparations and their physiological effects. <i>Process Biochemistry</i> , 2022 , 118, 65-73	4.8	0
2	Green Coalescence of CuO Nanospheres for Efficient Anti-Microbial and Anti-Cancer Conceivable Activity. <i>Biochemical Engineering Journal</i> , 2022 , 108464	4.2	0
1	Facile electrochemical fabrication of Nickel-Coated Polydiphenylamine (Ni/PDPA) nanocomposite material as efficient anode catalyst for direct alcohol fuel cell application. <i>Fuel</i> , 2022 , 324, 124424	7.1	0