

Vinoth Kumar Ponnusamy

List of Publications by Year in descending order

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Version: 2024-02-01

126
papers

4,565
citations

109137

35
h-index

128067

60
g-index

127
all docs

127
docs citations

127
times ranked

5029
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on lignin structure, pretreatments, fermentation reactions and biorefinery potential. <i>Bioresource Technology</i> , 2019, 271, 462-472.	4.8	386
2	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.	1.7	261
3	A review on hybrid techniques for the degradation of organic pollutants in aqueous environment. <i>Ultrasonics Sonochemistry</i> , 2020, 67, 105130.	3.8	131
4	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, 6861-6868.	1.8	124
5	Electronic waste generation, recycling and resource recovery: Technological perspectives and trends. <i>Journal of Hazardous Materials</i> , 2021, 416, 125664.	6.5	120
6	Biobutanol as a promising liquid fuel for the future - recent updates and perspectives. <i>Fuel</i> , 2019, 253, 637-646.	3.4	110
7	Potential of two-stage cultivation in microalgae biofuel production. <i>Fuel</i> , 2019, 252, 339-349.	3.4	109
8	Review on sustainable production of biochar through hydrothermal liquefaction: Physico-chemical properties and applications. <i>Bioresource Technology</i> , 2020, 310, 123414.	4.8	109
9	Application of nanotechnology (nanoparticles) in dark fermentative hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 1431-1440.	3.8	105
10	Catalytic hydrothermal liquefaction of biomass into bio-oils and other value-added products – A review. <i>Fuel</i> , 2021, 285, 119053.	3.4	95
11	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, 148-157.	2.9	94
12	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.	3.4	83
13	A systematic review on recent trends in transmission, diagnosis, prevention and imaging features of COVID-19. <i>Process Biochemistry</i> , 2020, 98, 233-240.	1.8	82
14	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.	3.4	78
15	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.	4.8	74
16	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.	3.4	73
17	Green synthesis of silver nanoparticles using aqueous rhizome extract of <i>Zingiber officinale</i> and <i>Curcuma longa</i> : In-vitro anti-cancer potential on human colon carcinoma HT-29 cells. <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 2980-2986.	1.8	67
18	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.	3.8	65

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19	Lignin valorisation via enzymes: A sustainable approach. <i>Fuel</i> , 2022, 311, 122608.	3.4	64
20	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.	3.4	63
21	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.	2.5	62
22	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, 70-77.	2.6	61
23	Passive cell disruption lipid extraction methods of microalgae for biofuel production – A review. <i>Fuel</i> , 2019, 252, 699-709.	3.4	60
24	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.	3.4	59
25	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, 81-87.	2.6	58
26	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.	2.3	57
27	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.	5.2	55
28	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.	3.4	52
29	Recent developments on alternative fuels, energy and environment for sustainability. <i>Bioresource Technology</i> , 2020, 317, 124010.	4.8	50
30	A composite film prepared from titanium carbide Ti ₃ C ₂ T _x (MXene) and gold nanoparticles for voltammetric determination of uric acid and folic acid. <i>Mikrochimica Acta</i> , 2020, 187, 33.	2.5	49
31	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, 927-937.	1.9	48
32	<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.	2.0	46
33	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.	6.5	44
34	Metabolomics integrated with transcriptomics and proteomics: Evaluation of systems reaction to nitrogen deficiency stress in microalgae. <i>Process Biochemistry</i> , 2020, 91, 1-14.	1.8	40
35	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.	3.9	40
36	Production and utilization of pyrolysis oil from solid plastic wastes: A review on pyrolysis process and influence of reactors design. <i>Journal of Environmental Management</i> , 2022, 302, 114046.	3.8	40

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37	Electrochemically sandwiched poly(diphenylamine)/phosphotungstic acid/graphene nanohybrid as highly sensitive and selective urea biosensor. <i>Synthetic Metals</i> , 2019, 254, 134-140.	2.1	38
38	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.	3.8	37
39	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.	2.7	37
40	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.	2.3	37
41	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.	3.4	35
42	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.	1.8	35
43	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.	3.4	33
44	Titanium dioxide and other nanomaterials based antimicrobial additives in functional paints and coatings: Review. <i>Progress in Organic Coatings</i> , 2022, 163, 106660.	1.9	32
45	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.	2.6	30
46	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.	3.4	29
47	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.	2.5	28
48	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.	2.3	28
49	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.	2.3	28
50	Catalytic transformation of non-edible oils to biofuels through hydrodeoxygenation using Mo-Ni/mesoporous alumina-silica catalysts. <i>Fuel</i> , 2020, 262, 116494.	3.4	28
51	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> , 2022, 206, 112589.	3.7	28
52	Enhancement of biofuel production by microalgae using cement flue gas as substrate. <i>Environmental Science and Pollution Research</i> , 2020, 27, 17571-17586.	2.7	26
53	Role of nanomaterials in deactivating multiple drug resistance efflux pumps – A review. <i>Environmental Research</i> , 2022, 204, 111968.	3.7	26
54	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.	2.7	25

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55	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.	2.2	24
56	Nitrogen-fixing cyanobacteria as a potential resource for efficient biodiesel production. <i>Fuel</i> , 2020, 279, 118440.	3.4	23
57	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.	4.2	23
58	Nanotechnology-assisted production of value-added biopotent energy-yielding products from lignocellulosic biomass refinery – A review. <i>Bioresource Technology</i> , 2022, 344, 126171.	4.8	23
59	Green synthesis of lignin nanorods/g-C ₃ N ₄ nanocomposite materials for efficient photocatalytic degradation of triclosan in environmental water. <i>Chemosphere</i> , 2021, 272, 129801.	4.2	22
60	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.	3.4	22
61	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.	2.7	21
62	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.	1.1	21
63	Rare earth metal <sc>oxide</sc>-doped <sc>reduced <sc>graphene</sc>-oxide</sc> nanocomposite as binder-free hybrid electrode material for supercapacitor application. <i>International Journal of Energy Research</i> , 2021, 45, 8255-8266.	2.2	21
64	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, 279-284.	2.9	20
65	Effect of anti microbial and fluorescence on L-Alaninium maleate (LAM) macro and nano crystals. <i>Materials Today: Proceedings</i> , 2020, 33, 2779-2781.	0.9	20
66	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.	3.4	20
67	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.	1.6	19
68	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> , 2022, 293, 118556.	3.7	19
69	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, 1891-1897.	1.8	18
70	Sensitive and Selective Determination of Uric Acid Using Polyaniline and Iron Composite Film Modified Electrode. <i>International Journal of Electrochemical Science</i> , 2016, 11, 8730-8737.	0.5	18
71	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.	3.3	18
72	A fast and sensitive analytical procedure for monitoring of synthetic pyrethroid pesticides' metabolites in environmental water samples. <i>Microchemical Journal</i> , 2019, 148, 355-363.	2.3	18

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73	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.	3.4	18
74	Phosphotungstic acid/Titania loaded polyaniline nanocomposite as efficient methanol electrooxidation catalyst in fuel cells. <i>International Journal of Energy Research</i> , 2021, 45, 8243-8254.	2.2	18
75	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.	1.6	18
76	Green synthesis of V ₂ O ₅ /ZnO nanocomposite materials for efficient photocatalytic and anti-bacterial applications. <i>Applied Nanoscience (Switzerland)</i> , 2023, 13, 859-869.	1.6	18
77	Novel biomass-derived porous-graphitic carbon coated iron oxide nanocomposite as an efficient electrocatalyst for the sensitive detection of rutin (vitamin P) in food and environmental samples. <i>Environmental Research</i> , 2022, 211, 113012.	3.7	18
78	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.	2.0	17
79	Higher Serum DHA and Slower Cognitive Decline in Patients with Alzheimer's Disease: Two-Year Follow-Up. <i>Nutrients</i> , 2022, 14, 1159.	1.7	17
80	Fabrication of amperometric sensor for glucose detection based on phosphotungstic acid-assisted PDPA/ZnO nanohybrid composite. <i>Ionics</i> , 2020, 26, 6341-6349.	1.2	16
81	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, 8078-8085.	2.4	15
82	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, 200-207.	4.2	15
83	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.	1.6	15
84	Sample Flow Rate Scan in Electrospray Ionization Mass Spectrometry Reveals Alterations in Protein Charge State Distribution. <i>Analytical Chemistry</i> , 2020, 92, 13042-13049.	3.2	15
85	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.	1.8	15
86	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.	1.3	14
87	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.	2.2	13
88	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.	4.2	13
89	Palladium/Copper Nanoalloy Supported on Carbon Nanotubes for the Electrooxidation of Methanol and Ethylene Glycol. <i>ChemistrySelect</i> , 2019, 4, 6130-6139.	0.7	12
90	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.	1.1	12

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91	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> , 2023, 13, 707-718.	1.6	12
92	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.	6.5	12
93	Development and Characterization of Polydiphenylamine/CuO Nanohybrid Electrode and Its Improved Electrochemical Properties. <i>Sensor Letters</i> , 2020, 18, 5-11.	0.4	12
94	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, 2339-2347.	1.3	11
95	Bioethanol production from coconut pulp residue using hydrothermal and postalkaline pretreatment. <i>International Journal of Energy Research</i> , 2021, 45, 8140-8150.	2.2	11
96	Rapid efficient degradation pathway of tetracycline and Pb (II) reduction mechanism by a novel nanocomposite heterojunction photocatalysts. <i>Journal of Alloys and Compounds</i> , 2022, 892, 162015.	2.8	11
97	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.	2.5	10
98	Novel palladium-decorated molybdenum carbide/polyaniline nanohybrid material as superior electrocatalyst for fuel cell application. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 37599-37608.	3.8	10
99	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.	2.7	9
100	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> , 2021, 45, 17440-17449.	2.2	9
101	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.	1.2	9
102	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.	1.3	9
103	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, 4571-4575.	2.4	8
104	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.	1.4	8
105	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, e8565.	0.7	8
106	Surfactant assisted microwave disintegration of green marine macroalgae for enhanced anaerobic biodegradability and biomethane recovery. <i>Fuel</i> , 2020, 281, 118802.	3.4	8
107	Poly(diphenylamine) and its Nanohybrids for Chemicals and Biomolecules Analysis: A Review. <i>Current Analytical Chemistry</i> , 2020, 17, .	0.6	8
108	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.	3.4	8

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109	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.	0.7	6
110	Novel Salt-Assisted Liquid-Liquid Microextraction Technique for Environmental, Food, and Biological Samples Analysis Applications: A Review. <i>Current Analytical Chemistry</i> , 2022, 18, 577-587.	0.6	6
111	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.	1.3	5
112	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.	1.9	5
113	Molybdenum-Doped Nickel Disulfide (NiS ₂ :Mo) Microspheres as an Active Anode Material for High-Performance Durable Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2022, 5, 6734-6745.	2.5	5
114	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, 104-110.	1.8	4
115	Ni-ZnO nanocomposites assembled under various morphologies like columnar, nanochains, and granular structure for removal of pollutants. <i>Materials Chemistry and Physics</i> , 2020, 252, 123299.	2.0	4
116	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.	2.0	4
117	Rapid simultaneous clinical monitoring of five oral anti-coagulant drugs in human urine using green microextraction technique coupled with LC-MS/MS. <i>Journal of King Saud University - Science</i> , 2021, 33, 101602.	1.6	4
118	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.	2.3	4
119	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.	1.4	4
120	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.	1.8	4
121	Facile synthesis of polymer-based magnesium hydroxide nanocomposites for photocatalytic degradation for methylene blue dye and antibacterial application. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 13539-13552.	2.9	4
122	Facile Hydrothermal Synthesis of Tungsten Tri-oxide/Titanium Di-oxide Nanohybrid Structures as Photocatalyst for Wastewater Treatment Application. <i>Journal of Cluster Science</i> , 2022, 33, 1327-1336.	1.7	2
123	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.	4.2	2
124	Green coalescence of CuO nanospheres for efficient anti-microbial and anti-cancer conceivable activity. <i>Biochemical Engineering Journal</i> , 2022, 187, 108464.	1.8	2
125	Novel African tulip fruit waste-derived biochar nanostructured materials for the removal of widespread pharmaceutical contaminant in wastewaters. <i>Biomass Conversion and Biorefinery</i> , 0, , .	2.9	2
126	Preparation of poly (ε-caprolactone) as a gel electrolyte for dye-sensitized solar cells. <i>Polymers for Advanced Technologies</i> , 2022, 33, 2560-2570.	1.6	2