

Shen-ming Chen

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.

753
papers

18,771
citations

61
h-index

91
g-index

769
ext. papers

23,278
ext. citations

5.9
avg. IF

7.78
L-index

#	Paper	IF	Citations
753	Recent Developments in Carbon-Based Nanocomposites for Fuel Cell Applications: A Review.. <i>Molecules</i> , 2022 , 27,	4.8	7
752	Development of Palladium on Bismuth Sulfide Nanorods as a Bifunctional Nanomaterial for Efficient Electrochemical Detection and Photoreduction of Hg(II) Ions.. <i>ACS Applied Materials & Interfaces</i> , 2022 ,	9.5	6
751	Protein-assisted biomimetic synthesis of nanoscale gadolinium-integrated polypyrrole for synergetic and ultrasensitive electrochemical assays of nicardipine in biological samples.. <i>Analytica Chimica Acta</i> , 2022 , 1199, 339567	6.6	0
750	Vanadium carbide and nitrogen-doped graphene nanosheets based layered architecture for electrochemical evaluation of cloquinoxol detection and energy storage application. <i>Electrochimica Acta</i> , 2022 , 408, 139930	6.7	2
749	Designing of cerium-doped bismuth vanadate nanorods/functionalized-MWCNT nanocomposite for the high toxicity of 4-cyanophenol herbicide detection in human urine sample. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 639, 128371	5.1	0
748	Disposable cerium oxide/graphene nanosheets based sensor for monitoring acebutolol in environmental samples and bio-fluids. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 10, 107182	6.8	2
747	A portable advanced electrocatalyst for polyphenolic chlorogenic acid evaluation in food samples. <i>Chemical Engineering Journal</i> , 2022 , 435, 134796	14.7	5
746	Raspberry-like CuWO hollow spheres anchored on sulfur-doped g-CN composite: An efficient electrocatalyst for selective electrochemical detection of antibiotic drug nitrofurazone.. <i>Chemosphere</i> , 2022 , 133997	8.4	2
745	Hybrid ternary nanocomposite of N-doped carbon quantum dots@SnO ₂ /multiwall carbon nanotubes: A robust and sensitive electrocatalyst for the detection of antineoplastic agent gallic acid. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 641, 128544	5.1	1
744	A precise electrochemical sensor based on Sm ₂ O ₃ /2D TiC hybrid for highly sensitive and selective detection of antihypertensive drug nimodipine. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 641, 128531	5.1	1
743	Recent Advances in Nanoscale Based Electrocatalysts for Metal-Air Battery, Fuel Cell and Water-Splitting Applications: An Overview.. <i>Materials</i> , 2022 , 15,	3.5	1
742	Tailored construction of one-dimensional TiO/Au nanofibers: Validation of an analytical assay for detection of diphenylamine in food samples.. <i>Food Chemistry</i> , 2022 , 132052	8.5	6
741	Green and low-cost synthesis of yttrium oxide/graphene oxide binary sheets as a highly efficient electrocatalyst for voltammetric determination of 3-nitro-L-tyrosine. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 635, 128089	5.1	1
740	Electrochemical sensor based on cerium niobium oxide nanoparticles modified electrode for sensing of environmental toxicity in water samples. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 637, 128277	5.1	0
739	Synergetic combination of nano hexagons SnS ₂ /Sulfur substituted graphitic carbon nitride: Evaluation of electrochemical sensor for the agricultural pollutant in environmental samples. <i>Chemical Engineering Journal</i> , 2022 , 431, 134174	14.7	4
738	Electrochemical sensor based on cobalt ruthenium sulfide nanoparticles embedded on boron nitrogen co-doped reduced graphene oxide for the determination of nitrite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 637, 128271	5.1	2
737	Rational design of manganese oxide/tin oxide hybrid nanocomposite based electrochemical sensor for detection of prochlorperazine (Antipsychotic drug). <i>Microchemical Journal</i> , 2022 , 175, 107082	4.8	0

736	Impact of gadolinium oxide with functionalized carbon nanosphere: A portable advanced electrocatalyst for pesticide detection in aqueous environmental samples. <i>Talanta</i> , 2022 , 238, 123028	6.2	3
735	Facile synthesis of neodymium stannate nanoparticles an effective electrocatalyst for the selective detection of dimetridazole in biological samples. <i>Analytica Chimica Acta</i> , 2022 , 1190, 339234	6.6	1
734	UV light assisted photocatalytic degradation of textile waste water by MgZnFeO synthesized by combustion method and in-vitro antimicrobial activities. <i>Environmental Research</i> , 2022 , 204, 111917	7.9	5
733	Electrochemical determination of quercetin using glassy carbon electrode modified with WS/GdCoO nanocomposite.. <i>Mikrochimica Acta</i> , 2022 , 189, 118	5.8	2
732	Yolk-shell structured molybdenum disulfide nanospheres as highly enhanced electrocatalyst for electrochemical sensing of hazardous 4-nitrophenol in water. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 107663	6.8	1
731	Bismuth sulfide/zinc-doped graphitic carbon nitride nanocomposite for electrochemical detection of hazardous nitric oxide. <i>Journal of Electroanalytical Chemistry</i> , 2022 , 910, 116174	4.1	1
730	The design of praseodymium galena nanospheres: An effective photocatalyst for the remediation of carcinogenic phenothiazine and chromium contaminants. <i>Journal of Physics and Chemistry of Solids</i> , 2022 , 165, 110660	3.9	0
729	Coherent design of indium doped copper bismuthate-encapsulated graphene nanocomposite for sensitive electrochemical detection of Rutin. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 643, 128740	5.1	0
728	Hydrothermally constructed AgWO-rGO nanocomposites as an electrode enhancer for ultrasensitive electrochemical detection of hazardous herbicide crisquat.. <i>Chemosphere</i> , 2022 , 299, 134434	8.4	1
727	In situ growth of glucose-intercalated LDHs on NiCo2S4 hollow nanospheres to enhance energy storage capacity for hybrid supercapacitors. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 644, 128823	5.1	3
726	Label-free electrochemical immunosensor based on l-cysteine-functionalized AuNP on reduced graphene oxide for the detection of dengue virus E-protein in dengue blood serum. <i>Composites Part B: Engineering</i> , 2022 , 238, 109876	10	1
725	Nanoarchitected nickel phosphate integrated with graphene oxide for the toxicant diphenylamine detection in food samples. <i>Journal of Food Composition and Analysis</i> , 2022 , 104628	4.1	1
724	A portable Ru-decorated cobalt phosphide on graphitic carbon nitride sensor: An effective electrochemical evaluation method for vitamin B2 in the environment and biological samples. <i>Chemical Engineering Journal</i> , 2022 , 136909	14.7	0
723	Se substituted 2D-gCN modified disposable screen-printed carbon electrode substrate: A bifunctional nano-catalyst for electrochemical and absorption study of hazardous fungicide.. <i>Chemosphere</i> , 2022 , 302, 134765	8.4	2
722	Rational synthesis of rare-earth lanthanum molybdate covered reduced graphene oxide nanocomposites for the voltammetric detection of Moxifloxacin hydrochloride.. <i>Bioelectrochemistry</i> , 2022 , 146, 108145	5.6	0
721	NiO/ZnO binary metal oxide based electrochemical sensor for the evaluation of hazardous flavonoid in biological and vegetable samples. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 647, 129077	5.1	0
720	3D-nanocubes of N-doped carbon quantum dots adorned manganese oxide: A functional electrocatalyst for the sensitive detection of sulfadiazine. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 648, 129141	5.1	1
719	Facile Hydrothermal Synthesis of Manganese Sulfide Nanoelectrocatalyst for High Sensitive Detection of Bisphenol A in Food and Eco-samples. <i>Food Chemistry</i> , 2022 , 133316	8.5	0

718	Synthesis of nickel-doped ceria nanospheres for in situ profiling of Warfarin sodium in biological media. <i>Bioelectrochemistry</i> , 2022 , 146, 108166	5.6	0
717	Fabrication of a New Electrochemical Sensor Based on Bimetal Oxide for the Detection of Furazolidone in Biological Samples. <i>Micromachines</i> , 2022 , 13, 876	3.3	0
716	Gadolinium Manganese Oxide Nanorod Catalyst via a Facile Hydrothermal Approach: Application for Voltammetric Sensing of Antibiotic Drug Rifampicin in Pharmaceutical and Biological Samples. <i>Journal of the Electrochemical Society</i> , 2022 , 169, 057527	3.9	0
715	Self assembled three dimensional $\text{Cu}_2\text{V}_2\text{O}_7$ hierarchical flower decorated porous carbon: An efficient electrocatalyst for flutamide detection in biological and environmental samples. <i>Chemosphere</i> , 2022 , 135203	8.4	1
714	In-situ fabrication of polypyrrole composite with MoO: An effective interfacial charge transfers and electrode materials for degradation and determination of acetaminophen. <i>Chemosphere</i> , 2021 , 132977	8.4	0
713	Synthesis and characterizations of iron antimony oxide nanoparticles and its applications in electrochemical detection of carbendazim in apple juice and paddy water samples. <i>Food Chemistry</i> , 2021 , 373, 131569	8.5	2
712	Manganese Molybdenum Oxide Micro Rods Adorned Porous Carbon Hybrid Electrocatalyst for Electrochemical Determination of Furazolidone in Environmental Fluids. <i>Catalysts</i> , 2021 , 11, 1397	4	1
711	Designing and construction of a cobalt-metal-organic framework/heteroatoms co-doped reduced graphene oxide mesoporous nanocomposite based efficient electrocatalyst for chlorogenic acid detection. <i>Journal of Alloys and Compounds</i> , 2021 , 898, 163028	5.7	0
710	2D Bismuth nanosheet arrays as efficient alkaline hydrogen evolution electrocatalysts. <i>New Journal of Chemistry</i> , 2021 , 45, 22758-22766	3.6	2
709	Fabricating BiOI nanostructures armed catalytic strips for selective electrochemical and SERS detection of pesticide in polluted water.. <i>Environmental Pollution</i> , 2021 , 296, 118754	9.3	1
708	Electrocatalytic detection of noxious antioxidant diphenylamine in fruit samples with support of Cu@nanoporous carbon modified sensor.. <i>Chemosphere</i> , 2021 , 292, 133400	8.4	2
707	Ultrasensitive electrochemical detection of furazolidone in biological samples using 1D-2D BiVO@MoS hierarchical nano-heterojunction composites armed electrodes.. <i>Environmental Research</i> , 2021 , 205, 112515	7.9	1
706	A disposable electrode modified with metal orthovanadate and sulfur-reduced graphene oxide for electrochemical detection of anti-rheumatic drug. <i>New Journal of Chemistry</i> , 2021 , 45, 19858-19867	3.6	2
705	One-pot synthesis of antimony oxide and bismuth oxide nanocomposites for the selective electrochemical determination of the anticancer drug methotrexate in biomedical samples. <i>Ceramics International</i> , 2021 , 48, 2369-2369	5.1	0
704	Metal-organic framework (ZIF-67) interwoven multiwalled carbon nanotubes as a sensing platform for rapid administration of serotonin. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021 ,	5.3	2
703	Simple sonochemical synthesis of flake-ball shaped bismuth vanadate for voltammetric detection of furazolidone. <i>Journal of Alloys and Compounds</i> , 2021 , 895, 162315	5.7	4
702	Fabrication of Thulium Metal-organic Frameworks Based Smartphone Sensor Towards Arsenical Feed Additive Drug Detection: Applicable in Food Safety Analysis. <i>Electrochimica Acta</i> , 2021 , 139487	6.7	3
701	High-performance electrochemical sensing of hazardous pesticide Paraoxon using BiVO nano dendrites equipped catalytic strips. <i>Chemosphere</i> , 2021 , 132511	8.4	4

700	A Novel High-Performance Electrocatalytic Determination Platform for Voltammetric Sensing of Eugenol in Acidic Media using Pyrochlore Structured Lanthanum Stannate Nanoparticles. <i>Journal of Industrial and Engineering Chemistry</i> , 2021 , 106, 103-103	6.3	2
699	Simultaneous electrochemical determination of nitroaniline and flutamide based on iron vanadate and lanthanum vanadate nanocomposite modified electrode by voltammetric technique. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 901, 115772	4.1	0
698	Floret-like manganese doped tin oxide anchored reduced graphene oxide for electrochemical detection of dimetridazole in milk and egg samples. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 631, 127733	5.1	4
697	Samarium tungstate anchored on graphitic carbon nitride composite: A novel electrocatalyst for the ultra-selective electrocatalytic detection of 8-hydroxy-5-nitroquinoline in river water and biological samples. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 632, 127820	5.1	1
696	Facile synthesis of hexagonal-shaped zinc doped cobalt oxide: Application for electroanalytical determination of antibacterial drug ofloxacin in urine samples. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 885, 115101	4.1	6
695	Highly Selective Electrochemical Sensor Based on Gadolinium Sulfide Rod-Embedded RGO for the Sensing of Carbofuran. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 2679-2688	5.7	15
694	Highly exfoliated functionalized MoS with sodium alginate-polydopamine conjugates for electrochemical sensing of cardio-selective β -blocker by voltammetric methods. <i>Mikrochimica Acta</i> , 2021 , 188, 103	5.8	3
693	Fabrication of p-n Junction (Ni/Zn)O and Reduced Graphene Oxide (rGO) Nanocomposites for the Electrocatalysis of Analgesic Drug (Acetaminophen) Detection in Pharmaceutical and Biological Samples. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 036501	3.9	6
692	Tailoring of bismuth vanadate impregnated on molybdenum/graphene oxide sheets for sensitive detection of environmental pollutants 2, 4, 6 trichlorophenol. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 211, 111934	7	11
691	Sonochemical-assisted synthesis of zinc vanadate microstructure for electrochemical determination of metronidazole. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 9377-9391 ^{2,1}		4
690	3D Flower-like NiCo Layered Double Hydroxides: An Efficient Electrocatalyst for Non-Enzymatic Electrochemical Biosensing of Hydrogen Peroxide in Live Cells and Glucose in Biofluids.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 3203-3213	4.1	7
689	Dual-mode electrochemical evaluation of 8-hydroxy-5-nitroquinoline in industrial sewage. <i>Surfaces and Interfaces</i> , 2021 , 23, 101019	4.1	5
688	3D Honey-Comb like Nitrogen Self-Doped Porous Carbon Networks for High-Performance Electrochemical Detection of Antibiotic Drug Furazolidone. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 047503	3.9	3
687	Efficient Electrocatalyst for Hydrogen Evolution Reaction based on N-rGO-MWCNT/CuAlO ₂ Nanocomposite in Acidic Media. <i>ECS Journal of Solid State Science and Technology</i> , 2021 , 10, 045011	2	1
686	Highly selective simultaneous electrochemical detection of trace level of heavy metals in water samples based on the single-crystalline Co ₃ O ₄ nanocubes modified electrode. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 887, 115159	4.1	5
685	Zinc and Sulfur Codoped Iron Oxide Nanocubes Anchored on Carbon Nanotubes for the Detection of Antitubercular Drug Isoniazid. <i>ACS Applied Nano Materials</i> , 2021 , 4, 4562-4575	5.6	8
684	Highly sensitive manganese oxide/hexagonal boron nitride nanocomposite: An efficient electrocatalyst for the detection of anti-cancer drug flutamide. <i>Microchemical Journal</i> , 2021 , 163, 105906 ^{4,8}		6
683	An electrochemical assay for the detection of nitrofurantoin based on bismuth titanate enclosed carbon nanofiber in environmental and biological samples. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 887, 115152	4.1	2

682	High-Performance-Based Perovskite-Supported Nanocomposite for the Development of Green Energy Device Applications: An Overview. <i>Nanomaterials</i> , 2021 , 11,	5.4	2
681	Temperature-responsive voltammetric sensor based on stimuli-sensitive semi-interpenetrating polymer network conductive microgels for reversible switch detection of nitrogen mustard analog chlorambucil (Leukeran). <i>Electrochimica Acta</i> , 2021 , 374, 137866	6.7	4
680	Novel electrochemical method for detection of cytotoxic Tinidazole in aqueous media. <i>Chemical Engineering Research and Design</i> , 2021 , 148, 992-1005	5.5	3
679	Pr-TiO ₂ Decorated Functionalized-Carbon Nano Tubes for Highly Selective Detection of Tryptophan in Pharmaceutical Samples for Neurotransmitter Treatment. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 057532	3.9	1
678	Graphene oxide@Ce-doped TiO nanoparticles as electrocatalyst materials for voltammetric detection of hazardous methyl parathion. <i>Mikrochimica Acta</i> , 2021 , 188, 216	5.8	9
677	In situ formation of CoO nanoparticles embedded N-doped porous carbon nanocomposite: a robust material for electrocatalytic detection of anticancer drug flutamide and supercapacitor application. <i>Mikrochimica Acta</i> , 2021 , 188, 196	5.8	8
676	High-Efficiency of Bi-Functional-Based Perovskite Nanocomposite for Oxygen Evolution and Oxygen Reduction Reaction: An Overview. <i>Materials</i> , 2021 , 14,	3.5	5
675	Design and Fabrication of Yttrium Ferrite Garnet-Embedded Graphitic Carbon Nitride: A Sensitive Electrocatalyst for Smartphone-Enabled Point-of-Care Pesticide (Mesotrione) Analysis in Food Samples. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 24865-24876	9.5	11
674	Interfacial Influence of Strontium Niobium Engulfed Reduced Graphene Oxide Composite for Sulfamethazine Detection: Employing an Electrochemical Route in Real Samples. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 057512	3.9	4
673	Samarium vanadate nanospheres integrated carbon nanofiber composite as an efficient electrocatalyst for antituberculosis drug detection in real samples. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 617, 126385	5.1	3
672	Hierarchical Polyacrylonitrile-Derived Nitrogen Self-Doped 3D Carbon Superstructures Enabling Electrochemical Detection of Calcium Channel Blocker Nimodipine in Real Human Blood Serum. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 6586-6598	8.3	2
671	Influence of Crystalline, Structural, and Electrochemical Properties of Iron Vanadate Nanostructures on Flutamide Detection. <i>ACS Applied Nano Materials</i> , 2021 , 4, 5883-5894	5.6	6
670	A novel hybrid construction of MnMoO nanorods anchored graphene nanosheets; an efficient electrocatalyst for the picomolar detection of ecological pollutant ornidazole in water and urine samples. <i>Chemosphere</i> , 2021 , 273, 129665	8.4	13
669	Sonochemical synthesis of copper vanadate nanoparticles for the highly selective voltammetric detection of antibiotic drug ornidazole. <i>Journal of Alloys and Compounds</i> , 2021 , 867, 159019	5.7	6
668	An effective electrocatalytic oxidation of 4-Aminoantipyrine in the biological sample using polydopamine@polypyrrole copolymer modified glassy carbon electrode. <i>Journal of Polymer Research</i> , 2021 , 28, 1	2.7	1
667	Preparation of K intercalated MnO-rGO composite for the electrochemical detection of nitroaniline in industrial wastewater. <i>Journal of Hazardous Materials</i> , 2021 , 411, 125054	12.8	7
666	Designing hybrid barium tungstate on functionalized carbon black as electrode modifier for low potential detection of antihistamine drug promethazine hydrochloride. <i>Composites Part B: Engineering</i> , 2021 , 215, 108789	10	6
665	Cobalt-Doped Fe ₃ O ₄ Nanospheres Deposited on Graphene Oxide as Electrode Materials for Electrochemical Sensing of the Antibiotic Drug. <i>ACS Applied Nano Materials</i> , 2021 , 4, 6768-6777	5.6	8

664	Facile synthesis of single-crystalline Fe-doped copper vanadate nanoparticles for the voltammetric monitoring of lethal hazardous fungicide carbendazim. <i>Mikrochimica Acta</i> , 2021 , 188, 277	5.8	3
663	A Neoteric Double Perovskite Gd ₂ NiMnO ₆ Nanostructure Electrocatalyst for Augmented Detection of Ecological Pollutant 2, 4, 6 Trichlorophenol. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 077515	3.9	1
662	Bismuth telluride decorated on graphitic carbon nitrides based binary nanosheets: Its application in electrochemical determination of salbutamol (feed additive) in meat samples. <i>Journal of Hazardous Materials</i> , 2021 , 413, 125265	12.8	13
661	Ni-Doped ZrO nanoparticles decorated MW-CNT nanocomposite for the highly sensitive electrochemical detection of 5-amino salicylic acid. <i>Analyst, The</i> , 2021 , 146, 664-673	5	7
660	Thermo-regulated synthesis of NiMn layered double hydroxides for real-time determination of hydrogen peroxide in living cells and oxidase activity. <i>Applied Surface Science</i> , 2021 , 539, 148256	6.7	7
659	Green sonochemical synthesis and fabrication of cubic MnFeO electrocatalyst decorated carbon nitride nanohybrid for neurotransmitter detection in serum samples. <i>Ultrasonics Sonochemistry</i> , 2021 , 70, 105305	8.9	2
658	Oxygen vacancy mediated single unit cell BiWO by Ti doping for ameliorated photocatalytic performance. <i>Journal of Colloid and Interface Science</i> , 2021 , 581, 276-291	9.3	29
657	Hierarchical mesoporous NiCoP hollow nanocubes as efficient and stable electrodes for high-performance hybrid supercapacitor. <i>Applied Surface Science</i> , 2021 , 536, 147751	6.7	29
656	In situ synthesis of AgPO/CNZ-scheme heterojunctions with enhanced visible-light-responsive photocatalytic performance for antibiotics removal. <i>Science of the Total Environment</i> , 2021 , 754, 141926	10.2	46
655	Electrochemical sensing base for hazardous herbicide acetonitrile using gadolinium niobate (GdNbO) nanoparticles-actual river water and soil sample analysis. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 207, 111285	7	5
654	Nanomolar level detection of non-steroidal antiandrogen drug flutamide based on ZnMnO nanoparticles decorated porous reduced graphene oxide nanocomposite electrode. <i>Journal of Hazardous Materials</i> , 2021 , 405, 124096	12.8	13
653	Construction of strontium phosphate/graphitic-carbon nitride: A flexible and disposable strip for acetaminophen detection. <i>Journal of Hazardous Materials</i> , 2021 , 410, 124542	12.8	14
652	Synthesis of highly electroactive nanoflowers like manganeset in oxide and electroanalytical application for chloramphenicol determination in milk and honey samples. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 880, 114914	4.1	6
651	Electrochemical investigation of zinc tungstate nanoparticles; a robust sensor platform for the selective detection of furazolidone in biological samples. <i>Microchemical Journal</i> , 2021 , 160, 105750	4.8	6
650	Low potential detection of antiprotozoal drug metronidazole with aid of novel dysprosium vanadate incorporated oxidized carbon nanofiber modified disposable screen-printed electrode. <i>Journal of Hazardous Materials</i> , 2021 , 407, 124745	12.8	14
649	Selective electrochemical detection of antidepressant drug imipramine in blood serum and urine samples using an antimony telluride-graphite nanofiber electrode. <i>Mikrochimica Acta</i> , 2021 , 188, 60	5.8	5
648	Copper sulfide nano-globules reinforced electrodes for high-performance electrochemical determination of toxic pollutant hydroquinone. <i>New Journal of Chemistry</i> , 2021 , 45, 3215-3223	3.6	4
647	Facile synthesis of Co(II)-doped cobalt oxide nanostructures: their application in the sensitive determination of the prophylactic drug furazolidone. <i>New Journal of Chemistry</i> , 2021 , 45, 12738-12749	3.6	0

646	Efficient and green synthesis of silver nanocomposite using guar gum for voltammetric determination of diphenylamine. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 1289-1302 ²¹		3
645	Novel construction of carbon nanofiber/CuCrO composite for selective determination of 4-nitrophenol in environmental samples and for supercapacitor application.. <i>RSC Advances</i> , 2021 , 11, 15856-15870	3.7	0
644	Sustainable one-pot synthesis of strontium phosphate nanoparticles with effective charge carriers for the photocatalytic degradation of carcinogenic naphthylamine derivative. <i>New Journal of Chemistry</i> , 2021 , 45, 15437-15447	3.6	2
643	Electrochemical sensors for β -adrenoceptor agonist isoprenaline analysis in human urine and serum samples using manganese cobalt oxide-modified glassy carbon electrode. <i>New Journal of Chemistry</i> , 2021 , 45, 9084-9095	3.6	2
642	Glutathione and cystamine functionalized MoS ₂ -shell nanoparticles for enhanced electrochemical detection of doxorubicin. <i>Mikrochimica Acta</i> , 2021 , 188, 35	5.8	8
641	Development of an electrochemical sensor based on a cobalt oxide/tin oxide composite for determination of antibiotic drug ornidazole. <i>New Journal of Chemistry</i> , 2021 , 45, 12593-12605	3.6	2
640	Rational Confinement of Yttrium Vanadate within Three-Dimensional Graphene Aerogel: Electrochemical Analysis of Monoamine Neurotransmitter (Dopamine). <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 10987-10995	9.5	21
639	Iron vanadate nanoparticles supported on boron nitride nanocomposite: Electrochemical detection of antipsychotic drug chlorpromazine. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 882, 114982	4.1	9
638	An eco-friendly low-temperature synthetic approach towards micro-pebble-structured GO@SrTiO nanocomposites for the detection of 2,4,6-trichlorophenol in environmental samples. <i>Mikrochimica Acta</i> , 2021 , 188, 72	5.8	6
637	Synthesis and Characterization of Pyrochlore-Type Praseodymium Stannate Nanoparticles: An Effective Electrocatalyst for Detection of Nitrofurazone Drug in Biological Samples. <i>Inorganic Chemistry</i> , 2021 , 60, 2464-2476	5.1	13
636	Construction of FEOOH/semiconductor nanosheets heterogeneous catalysts for efficient photo-Fenton degradation of tetracycline hydrochloride. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021 , 119, 70-79	5.3	6
635	Bismuth molybdate incorporated functionalized carbon nanofiber as an electrocatalytic tool for the pinpoint detection of organic pollutant in life samples. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 209, 111828	7	4
634	Construction of Lanthanum Vanadate/Functionalized Boron Nitride Nanocomposite: The Electrochemical Sensor for Monitoring of Furazolidone. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 2784-2794	8.3	20
633	Electrocatalytic evaluation of graphene oxide warped tetragonal t-lanthanum vanadate (GO@LaVO) nanocomposites for the voltammetric detection of antifungal and antiprotozoal drug (clioquinol). <i>Mikrochimica Acta</i> , 2021 , 188, 102	5.8	8
632	Synthesis of N-rGO-MWCNT/CuCrO ₂ Catalyst for the Bifunctional Application of Hydrogen Evolution Reaction and Electrochemical Detection of Bisphenol-A. <i>Catalysts</i> , 2021 , 11, 301	4	4
631	Rational Construction of SiO ₂ /MoS ₂ /TiO ₂ Composite Nanostructures for Anti-Biofouling and Anti-Corrosion Applications. <i>ChemistrySelect</i> , 2021 , 6, 917-927	1.8	5
630	2D-Titanium carbide MXene/RGO composite modified electrode for selective detection of carcinogenic residue furazolidone in food and biological samples. <i>Materials Letters</i> , 2021 , 297, 129979	3.3	4
629	Construction of metal-free oxygen-doped graphitic carbon nitride as an electrochemical sensing platform for determination of antimicrobial drug metronidazole. <i>Applied Surface Science</i> , 2021 , 556, 149814 ⁶⁷	6.7	9

628	Construction of novel binary metal oxides: Copper oxide/nanoparticles regulated for selective and nanomolar level electrochemical detection of anti-psychotic drug. <i>Electrochimica Acta</i> , 2021 , 386, 138482	6.7	5
627	A Highly Selective Enzyme-Free Amperometric Detection of Glucose using Perovskite-Type Lanthanum Cobaltite (LaCoO ₃). <i>Journal of the Electrochemical Society</i> , 2021 , 168, 086501	3.9	1
626	Electrochemical evaluation of organic pollutant estradiol in industrial effluents. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105723	6.8	3
625	Rationally designed f-MWCNT-coated bismuth molybdate (f-MWCNT@BMO) nanocomposites for the voltammetric detection of biomolecule dopamine in biological samples. <i>Mikrochimica Acta</i> , 2021 , 188, 315	5.8	1
624	Deep eutectic solvent synthesis of iron vanadate-decorated sulfur-doped carbon nanofiber nanocomposite: electrochemical sensing tool for doxorubicin. <i>Mikrochimica Acta</i> , 2021 , 188, 303	5.8	6
623	Electrochemical evaluation of naproxen through Au@f-CNT/GO nanocomposite in environmental water and biological samples. <i>Journal of Industrial and Engineering Chemistry</i> , 2021 , 104, 32-32	6.3	4
622	Surface Self-Reconstruction and Sulfidation Strategy to Fabricate Flower-Like NiCo ₂ S ₄ Hollow Nanospheres: Formation, Storage Mechanism, and Application in Hybrid Supercapacitors. <i>ACS Applied Energy Materials</i> , 2021 , 4, 9178-9189	6.1	5
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620	Scalable and sustainable synthetic assessment between solid-state metathesis and sonochemically derived electrocatalysts (strontium molybdate) for the precise anti-androgen bicalutamide (Casodex) detection. <i>Microchemical Journal</i> , 2021 , 168, 106465	4.8	1
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618	Selective Electrochemical Sensing Platform Based on the Synergy between Carbon Black and Single-Crystalline Bismuth Sulfide for Rapid Analysis of Antipyretic Drugs.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 7497-7508	4.1	1
617	Simple strategy synthesis of manganese cobalt oxide anchored on graphene oxide composite as an efficient electrocatalyst for hazardous 4-nitrophenol detection in toxic tannery waste. <i>Microchemical Journal</i> , 2021 , 168, 106514	4.8	6
616	Facile solvothermal synthesis of ultrathin spinel ZnMn ₂ O ₄ nanospheres: An efficient electrocatalyst for in vivo and in vitro real time monitoring of H ₂ O ₂ . <i>Journal of Electroanalytical Chemistry</i> , 2021 , 900, 115674	4.1	4
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614	Additive-free synthesis of BiVO ₄ microspheres as an electrochemical sensor for determination of antituberculosis drug rifampicin. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 624, 126849	5.1	4
613	Electrochemical sensor for detection of tryptophan in the milk sample based on MnWO ₄ nanoplates encapsulated RGO nanocomposite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 625, 126889	5.1	7
612	Ultrasonic assisted preparation of CoMoO ₄ nanoparticles modified electrochemical sensor for chloramphenicol determination. <i>Journal of Solid State Chemistry</i> , 2021 , 302, 122392	3.3	5
611	Hexagon prism-shaped cerium ferrite embedded on GC electrode for electrochemical detection of antibiotic drug ofloxacin in biological sample. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 627, 127129	5.1	1

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608	A simple electrochemical sensor for quercetin detection based on cadmium telluride nanoparticle incorporated on boron, sulfur co-doped reduced graphene oxide composite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 626, 127094	5.1	5
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525	Facile sonochemical synthesis of rutile-type titanium dioxide microspheres decorated graphene oxide composite for efficient electrochemical sensor. <i>Ultrasonics Sonochemistry</i> , 2020 , 62, 104872	8.9	6
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247	Chitosan Stabilized Multi-Walled Carbon Nanotubes for Electrochemical Determination of Dihydroxybenzene Isomers. <i>Journal of the Electrochemical Society</i> , 2017 , 164, H958-H966	3.9	22
246	Electrocatalytic reduction of nitroaromatic compounds by activated graphite sheets in the presence of atmospheric oxygen molecules. <i>Journal of Catalysis</i> , 2017 , 356, 43-52	7.3	35
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244	One-pot synthesis of three-dimensional MnO microcubes for high-level sensitive detection of head and neck cancer drug nimorazole. <i>Journal of Colloid and Interface Science</i> , 2017 , 505, 1193-1201	9.3	12
243	3D graphene oxide-cobalt oxide polyhedrons for highly sensitive non-enzymatic electrochemical determination of hydrogen peroxide. <i>Sensors and Actuators B: Chemical</i> , 2017 , 253, 773-783	8.5	95
242	Graphene Oxide Nanoribbons Film Modified Screen-Printed Carbon Electrode for Real-Time Detection of Methyl Parathion in Food Samples. <i>Journal of the Electrochemical Society</i> , 2017 , 164, B403-B408	3.0	39
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237	A non-enzymatic amperometric hydrogen peroxide sensor based on iron nanoparticles decorated reduced graphene oxide nanocomposite. <i>Journal of Colloid and Interface Science</i> , 2017 , 487, 370-377	9.3	55
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231	Simple synthesis of cobalt sulfide nanorods for efficient electrocatalytic oxidation of vanillin in food samples. <i>Journal of Colloid and Interface Science</i> , 2017 , 490, 719-726	9.3	30
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216	A non-covalent interaction of Schiff base copper alanine complex with green synthesized reduced graphene oxide for highly selective electrochemical detection of nitrite. <i>RSC Advances</i> , 2016 , 6, 107416-107425	3.7	12
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172	Enzymatic glucose biosensor based on bismuth nanoribbons electrochemically deposited on reduced graphene oxide. <i>Mikrochimica Acta</i> , 2015 , 182, 2165-2172	5.8	15
171	An electrochemical approach: Switching Structures of rare earth metal Praseodymium hexacyanoferrate and its application to sulfite sensor in Red Wine. <i>Electrochimica Acta</i> , 2015 , 176, 350-358	6.7	19
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163	Electrocodeposition of silver and silicomolybdate hybrid nanocomposite for nonenzymatic hydrogen peroxide sensor. <i>RSC Advances</i> , 2015 , 5, 41224-41229	3.7	10
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134	Green synthesis of gold nanoparticles and its application for the trace level determination of painter's colic. <i>RSC Advances</i> , 2015 , 5, 16284-16291	3.7	22
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114	A highly sensitive and selective electrochemical determination of Hg(II) based on an electrochemically activated graphite modified screen-printed carbon electrode. <i>Analytical Methods</i> , 2014 , 6, 8368-8373	3.2	11
113	Highly stable and active palladium nanoparticles supported on porous carbon for practical catalytic applications. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 16015-16022	13	72
112	Electrochemical Preparation of Yttrium Hexacyanoferrate on Reduced Graphene Oxide and Its Application to Analgesic Drug Sensor. <i>Electroanalysis</i> , 2014 , 26, 1712-1720	3	13
111	Electrodeposition of gold nanoparticles on a pectin scaffold and its electrocatalytic application in the selective determination of dopamine. <i>RSC Advances</i> , 2014 , 4, 55900-55907	3.7	30
110	High electrocatalytic performance of platinum and manganese dioxide nanoparticle decorated reduced graphene oxide sheets for methanol electro-oxidation. <i>RSC Advances</i> , 2014 , 4, 41387-41397	3.7	31
109	An enhanced direct electrochemistry of glucose oxidase at poly(taurine) modified glassy carbon electrode for glucose biosensor. <i>Analytical Methods</i> , 2014 , 6, 9053-9058	3.2	17
108	Simultaneous determination of ascorbic acid, dopamine, uric acid and hydrogen peroxide based on co-immobilization of PEDOT and FAD using multi-walled carbon nanotubes. <i>Analytical Methods</i> , 2014 , 6, 8321-8327	3.2	12
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106	Electrochemical determination of selected antihypertensive and antituberculosis drugs at a tyrosine-modified electrode. <i>Analytical Methods</i> , 2014 , 6, 6774-6782	3.2	19
105	Novel poly-L-lysine/carboxyl-group enriched graphene oxide/modified electrode preparation, characterization and applications for the electrochemical determination of meloxicam in pharmaceutical tablets and blood serum. <i>Analytical Methods</i> , 2014 , 6, 8426-8434	3.2	4
104	Simultaneous and selective electrochemical determination of dihydroxybenzene isomers at a reduced graphene oxide and copper nanoparticles composite modified glassy carbon electrode. <i>Analytical Methods</i> , 2014 , 6, 4271-4278	3.2	34
103	A promising photoelectrochemical sensor based on a ZnO particle decorated N-doped reduced graphene oxide modified electrode for simultaneous determination of catechol and hydroquinone. <i>RSC Advances</i> , 2014 , 4, 48522-48534	3.7	25
102	Porous carbon-modified electrodes as highly selective and sensitive sensors for detection of dopamine. <i>Analyst, The</i> , 2014 , 139, 4994-5000	5	47
101	A novel and sensitive amperometric hydrazine sensor based on gold nanoparticles decorated graphite nanosheets modified screen printed carbon electrode. <i>Electrochimica Acta</i> , 2014 , 139, 157-164	6.7	82
100	Enhanced electrocatalytic oxidation of isoniazid at electrochemically modified rhodium electrode for biological and pharmaceutical analysis. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 121, 444-50	6	40
99	Direct electrochemistry of glucose oxidase immobilized on ZrO ₂ nanoparticles-decorated reduced graphene oxide sheets for a glucose biosensor. <i>RSC Advances</i> , 2014 , 4, 30358-30367	3.7	43
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94	Electrochemical oxidation and determination of norepinephrine in the presence of acetaminophen using MnO ₂ nanoparticle decorated reduced graphene oxide sheets. <i>Analytical Methods</i> , 2014 , 6, 6504-6513	3.2	12
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91	An Ultrahigh Selective and Sensitive Enzyme-Free Hydrogen Peroxide Sensor Based on Palladium Nanoparticles and Nafion-Modified Electrode. <i>Electrocatalysis</i> , 2014 , 5, 177-185	2.7	17
90	The Immobilization of Glucose Oxidase at Manganese Dioxide Particles-Decorated Reduced Graphene Oxide Sheets for the Fabrication of a Glucose Biosensor. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 15582-15589	3.9	36
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88	Detection of real sample DNA at a cadmium sulfide--chitosan/gelatin modified electrode. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 113, 85-91	6	12
87	A novel enzymatic glucose biosensor and sensitive non-enzymatic hydrogen peroxide sensor based on graphene and cobalt oxide nanoparticles composite modified glassy carbon electrode. <i>Sensors and Actuators B: Chemical</i> , 2014 , 196, 450-456	8.5	112
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