

# Behzad Rezaei

## 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.

418  
papers

8,213  
citations

45  
h-index

59  
g-index

428  
ext. papers

9,410  
ext. citations

5  
avg, IF

7.04  
L-index

#	Paper	IF	Citations
418	Fabrication and characterization of upconversion N-doped graphene quantum dots for improving photoelectrocatalytic performance of rutile hierarchical TiO <sub>2</sub> nanowires under visible and near-infrared light irradiations. <i>Materials Today Chemistry</i> , <b>2022</b> , 23, 100742	6.2	1
417	Green application of trimetallic nickel-cobalt-molybdenum nanocomposites on 3D graphene oxide as a powerful electrocatalyst for hydrogen evolution reaction.. <i>Chemosphere</i> , <b>2022</b> , 133670	8.4	0
416	Developing a highly-sensitive aptasensor based on surface energy transfer between InP/ZnS quantum dots and Ag-nanoplates for the determination of insulin. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2022</b> , 423, 113601	4.7	1
415	Energy Band Engineering by CdTe/Si Codoped TiO <sub>2</sub> Nanoarrays for Enhanced Photoelectrochemical Water Splitting. <i>ACS Applied Energy Materials</i> , <b>2022</b> , 5, 2795-2804	6.1	0
414	CoNiSe <sub>2</sub> /Fe-CoNiSe <sub>2</sub> yolk-shell nanoboxes from metal-organic frameworks for high-performance supercapacitor. <i>Electrochimica Acta</i> , <b>2022</b> , 417, 140338	6.7	4
413	Graphene-like sheets supported Fe-Co layered double hydroxides nanoflakes as an efficient electrocatalyst for both hydrogen and oxygen evolution reaction, A green investigation.. <i>Chemosphere</i> , <b>2022</b> , 134251	8.4	0
412	Nickel/cobalt/copper sulfide dodecahedral hollow multi-shelled structures, characterization, and application as a suitable nanomaterial for high-performance supercapacitors. <i>Electrochimica Acta</i> , <b>2022</b> , 420, 140437	6.7	0
411	Electrochemical properties of modified poly(4-aminothiophenol)-Zn-Ni MOF-reduced graphene oxide nanocomposite for high-performance supercapacitors. <i>Fuel</i> , <b>2022</b> , 324, 124724	7.1	0
410	Aptamer-Based Miniaturized Technology for Drug Analysis <b>2022</b> , 341-360		
409	Introduction to Nanobiosensing Technologies and Nanobioanalytical Systems <b>2022</b> , 1-14		
408	Conventional Technologies and Opto-electronic Devices for Detection of Food Biomarkers <b>2022</b> , 169-196		
407	Upconversion graphene quantum dots incorporation in performance enhancement of p-i-n perovskite solar cells. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 106898	6.8	0
406	A theoretical and experimental study of polyaniline/GCE and DNA G-quadruplex conformation as an impedimetric biosensor for the determination of potassium ions.. <i>Chemosphere</i> , <b>2021</b> , 133460	8.4	0
405	An ultrasensitive electrochemical aptasensor based on a single-stranded aptamer-Au@Fe-MIL-88 complex using methylene blue as an electrochemical probe for insulin detection. <i>Analytical and Bioanalytical Chemistry</i> , <b>2021</b> , 413, 7451-7462	4.4	1
404	Determination of the Interaction Term in Deuteron Nucleus. <i>Physics of Particles and Nuclei Letters</i> , <b>2021</b> , 18, 166-172	0.5	
403	Influence of gluon behavior on heavy-quark pair production. <i>Europhysics Letters</i> , <b>2021</b> , 133, 61002	1.6	1
402	Ultra-sensitive electrochemical aptasensor based on zeolitic imidazolate framework-8 derived Ag/Au core-shell nanoparticles for mercury detection in water samples. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 331, 129426	8.5	11

401	Development of a new simple spectroscopic determination coupled acid-motivated delivery system based on fluorescence turn-off MSNs@MPA-ZnS QDs for infection. <i>Microporous and Mesoporous Materials</i> , <b>2021</b> , 317, 110971	5.3	4
400	An evaluation of the proton structure functions F2 and F at small x. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2021</b> , 816, 136274	4.2	3
399	A comparative analysis on the morphology and electrochemical performances of solution-casted and electrospun PEO-based electrolytes: The effect of fiber diameter and surface density. <i>Electrochimica Acta</i> , <b>2021</b> , 368, 137339	6.7	2
398	Development of an eco-friendly fluorescence nanosensor based on molecularly imprinted polymer on silica-carbon quantum dot for the rapid indoxacarb detection. <i>Food Chemistry</i> , <b>2021</b> , 339, 127920	8.5	23
397	Ultra-sensitive and selective electrochemical biosensor with aptamer recognition surface based on polymer quantum dots and C/MWCNTs- polyethylenimine nanocomposites for analysis of thrombin protein. <i>Bioelectrochemistry</i> , <b>2021</b> , 138, 107701	5.6	20
396	Novel synthesis of a dual fluorimetric sensor for the simultaneous analysis of levodopa and pyridoxine. <i>Analytical and Bioanalytical Chemistry</i> , <b>2021</b> , 413, 377-387	4.4	8
395	The study of the gluon distribution function and reduced cross section behavior using the proton structure function. <i>Nuclear Physics A</i> , <b>2021</b> , 1006, 122062	1.3	2
394	A Novel Non-enzymatic Selective and Sensitive Glucose Sensor Based on Nickel-Copper Oxide@3D-rGO/MWCNTs. <i>Electroanalysis</i> , <b>2021</b> , 33, 304-313	3	0
393	Electrochemical sensor based on glassy carbon electrode modified by polymelamine formaldehyde/graphene oxide nanocomposite for ultrasensitive detection of oxycodone. <i>Mikrochimica Acta</i> , <b>2021</b> , 188, 1	5.8	40
392	Metal-organic framework derived metal oxide/reduced graphene oxide nanocomposite, a new tool for the determination of dipyrindamole. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 2781-2790	3.6	0
391	A New Nanocomposite Based on Pt-rGO Embedded Polymelamine Formaldehyde Nanocomposite for Reduction of Carbon Dioxide. <i>Electroanalysis</i> , <b>2021</b> , 33, 1567-1577	3	
390	Ultrasensitive electrochemical molecularly imprinted sensor based on AuE/Ag-MOF@MC for determination of hemoglobin using response surface methodology. <i>Analytical and Bioanalytical Chemistry</i> , <b>2021</b> , 413, 4895-4906	4.4	5
389	A Novel Aptasensor Based on the Formation of Intermolecular G Quadruplex DNA and Carbon Dots for Fluorescence Determination Potassium Ions in Human Urine and Blood Serum Samples. <i>IEEE Sensors Journal</i> , <b>2021</b> , 21, 16443-16450	4	
388	CdSe Quantum Dot Nanoparticles: Synthesis and Application in the Development of Molecularly Imprinted Polymer-Based Dual Optical Sensors. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2021</b> , 60, 12328-12342	3.9	2
387	A Selective Electrochemical Sensor Based on a Modified-Glassy Carbon Electrode Using f-MWCNTs-Polydopamine for Ciprofloxacin Detection. <i>IEEE Sensors Journal</i> , <b>2021</b> , 21, 19714-19721	4	2
386	Nonlinear corrections on the parametrization methods. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	1
385	Iron-doped cobalt copper phosphide/phosphate composite with 3D hierarchical flower-like structures as electrodes for hybrid supercapacitors. <i>Electrochimica Acta</i> , <b>2021</b> , 393, 139061	6.7	4
384	Overcoming the potential drop in conducting polymer artificial muscles through metallization of electrospun nanofibers by electroplating process. <i>Smart Materials and Structures</i> , <b>2020</b> , 29, 085036	3.4	3

383	Selective molecularly imprinted polymer nanofiber sorbent for the extraction of bisphenol A in a water sample. <i>Polymer International</i> , <b>2020</b> , 69, 780-793	3.3	8
382	Synthesis of graphene oxide-polychrysoidine nanocomposite for supercapacitor applications. <i>Journal of Energy Storage</i> , <b>2020</b> , 29, 101334	7.8	4
381	Novel electrospun polymer electrolytes incorporated with Keggin-type hetero polyoxometalate fillers as solvent-free electrolytes for lithium ion batteries. <i>Polymer International</i> , <b>2020</b> , 69, 675-687	3.3	8
380	A Sensitive and Selective Optical Sensor Based on Molecularly Imprinting Technique Using Green Synthesized Carbon Dots for Determination of Trace Amount of Metronidazole. <i>IEEE Sensors Journal</i> , <b>2020</b> , 20, 12530-12536	4	5
379	Novel Histamine Fluorosensor Based on Modified Environmental Friendly Carbon Nanoparticles From Gum Tragacanth. <i>IEEE Sensors Journal</i> , <b>2020</b> , 20, 13229-13235	4	6
378	Reduced graphene oxide and carbon nanotubes composite functionalized by azobenzene, characterization and its potential as a curcumin electrochemical sensor. <i>Journal of Electroanalytical Chemistry</i> , <b>2020</b> , 873, 114418	4.1	11
377	Searching for top quark pair production cross-section at LHeC and FCC-eh. <i>Europhysics Letters</i> , <b>2020</b> , 130, 51002	1.6	2
376	Electroactive actuator based on polyurethane nanofibers coated with polypyrrole through electrochemical polymerization: a competent method for developing artificial muscles. <i>Smart Materials and Structures</i> , <b>2020</b> , 29, 045008	3.4	6
375	Development of a Selective and Sensitive Chlorogenic Acid Fluorimetric Sensor Using Molecularly Imprinted Polymer ZnO Quantum Dots. <i>IEEE Sensors Journal</i> , <b>2020</b> , 20, 5691-5697	4	9
374	The effect of concentration and ratio of ethylene carbonate and propylene carbonate plasticizers on characteristics of the electrospun PEO-based electrolytes applicable in lithium-ion batteries. <i>Solid State Ionics</i> , <b>2020</b> , 347, 115252	3.3	12
373	Design a fluorometric aptasensor based on CoOOH nanosheets and carbon dots for simultaneous detection of lysozyme and adenosine triphosphate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2020</b> , 233, 118197	4.4	20
372	Sensitive imprinted optical sensor based on mesoporous structure and green nanoparticles for the detection of methamphetamine in plasma and urine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2020</b> , 231, 118077	4.4	10
371	The role of GQDs additive in TiO <sub>2</sub> nanorods as an electron transfer layer on performance improvement of the perovskite solar cells. <i>Electrochimica Acta</i> , <b>2020</b> , 337, 135822	6.7	12
370	A novel three-dimensional network of CuCrO/CuO nanofibers for voltammetric determination of anticancer drug methotrexate. <i>Analytical and Bioanalytical Chemistry</i> , <b>2020</b> , 412, 2443-2453	4.4	10
369	Color dipole picture and extracting the ratio of structure functions at small x. <i>Physical Review C</i> , <b>2020</b> , 101,	2.7	6
368	Ultrasensitive voltammetric and impedimetric aptasensor for diazinon pesticide detection by VS quantum dots-graphene nanoplatelets/carboxylated multiwalled carbon nanotubes as a new group nanocomposite for signal enrichment. <i>Analytica Chimica Acta</i> , <b>2020</b> , 1111, 92-102	6.6	27
367	Electrochemical Sensing of Flutamide Contained in Plasma and Urine Matrices Using NiFe <sub>2</sub> O <sub>4</sub> /rGO Nanocomposite, as an Efficient and Selective Electrocatalyst. <i>Electroanalysis</i> , <b>2020</b> , 32, 1717-1724	3	15
366	Ni <sub>3</sub> S <sub>2</sub> Supported on Porous Ball-milled Silicon, a Highly Selective Electrochemical Sensor for Glucose Determination. <i>Electroanalysis</i> , <b>2020</b> , 32, 1707-1716	3	2

365	Preparation and comparison of molecularly imprinted polymer fluorimetric nanoprobe based on polymer dots and carbon quantum dots for determination of acetamiprid using response surface method. <i>Mikrochimica Acta</i> , <b>2020</b> , 187, 294	5.8	10
364	Polymer/Inorganic Hole Transport Layer for Low-Temperature-Processed Perovskite Solar Cells. <i>Energies</i> , <b>2020</b> , 13, 2059	3.1	7
363	Synthesis of engineered graphene nanocomposites coated with NiCo metal-organic frameworks as electrodes for high-quality supercapacitor. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 32059-32071	6.7	18
362	Green synthesized carbon dots embedded in silica molecularly imprinted polymers, characterization and application as a rapid and selective fluorimetric sensor for determination of thiabendazole in juices. <i>Food Chemistry</i> , <b>2020</b> , 310, 125812	8.5	51
361	Detection of theophylline using molecularly imprinted polymers based on thioglycolic acid-modified CdTe quantum dots. <i>Journal of the Iranian Chemical Society</i> , <b>2020</b> , 17, 601-608	2	3
360	The investigation of Amido black 10B adsorption-photocatalytic degradation using the synergistic effect of Cr-doped ZnO/CDs nanocomposite under solar light. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 8759-8771	5.1	6
359	Fabrication of Electrochemical Sensor Based on CeO <sub>2</sub> /SnO <sub>2</sub> Nanocomposite Loaded on Pd Support for Determination of Nitrite at Trace Levels. <i>Electroanalysis</i> , <b>2020</b> , 32, 1025-1033	3	8
358	Electrospun PEO nanofibrous membrane enable by LiCl, LiClO <sub>4</sub> , and LiTFSI salts: a versatile solvent-free electrolyte for lithium-ion battery application. <i>Ionics</i> , <b>2020</b> , 26, 3249-3260	2.7	13
357	Facile Synthesis of Yolk-Shelled CuCoSe Microspheres as a Novel Electrode Material for Supercapacitor Application. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 418-427	9.5	26
356	Gaining insight into electrolyte solution effects on the electrochemomechanical behavior of electroactive PU/PPy nanofibers: Introducing a high-performance artificial muscle. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 305, 127519	8.5	9
355	An innovative highly sensitive electrochemical sensor based on modified electrode with carbon quantum dots and multiwall carbon nanotubes for determination of methadone hydrochloride in real samples. <i>Analytical Methods</i> , <b>2020</b> , 12, 5210-5218	3.2	5
354	Modification of copper electrode with copper nanoparticles@ reduced graphene oxide Nile blue and its application in electrochemical CO <sub>2</sub> conversion. <i>Materials Today Energy</i> , <b>2020</b> , 18, 100507	7	9
353	Efficiency improvement of luminescent solar concentrators using upconversion nitrogen-doped graphene quantum dots. <i>Journal of Power Sources</i> , <b>2020</b> , 476, 228647	8.9	12
352	Longitudinal structure function from the parton parameterization. <i>European Physical Journal A</i> , <b>2020</b> , 56, 1	2.5	6
351	Electrospun core-shell nanofibers based on polyethylene oxide reinforced by multiwalled carbon nanotube and silicon dioxide nanofillers: A novel and effective solvent-free electrolyte for lithium ion batteries. <i>International Journal of Energy Research</i> , <b>2020</b> , 44, 7000-7014	4.5	6
350	Coupling of a novel electrospun polyacrylonitrile/amino-Zr-MOF nanofiber as a thin film for microextraction-corona discharge-ion mobility spectrometry for the analysis of chlorpyrifos in water samples. <i>Analytical Methods</i> , <b>2019</b> , 11, 1073-1079	3.2	18
349	Graphitic carbon nitride nanosheets coated with Ni <sub>2</sub> CoS <sub>4</sub> nanoparticles as a high-rate electrode material for supercapacitor application. <i>Ceramics International</i> , <b>2019</b> , 45, 8518-8524	5.1	14
348	A selective and sensitive detection of residual hazardous textile dyes in wastewaters using voltammetric sensor. <i>Microchemical Journal</i> , <b>2019</b> , 146, 548-556	4.8	9

347	. <i>IEEE Sensors Journal</i> , <b>2019</b> , 19, 3593-3600	4	10
346	Pd@CeO <sub>2</sub> -SnO <sub>2</sub> nanocomposite, a highly selective and sensitive hydrogen peroxide electrochemical sensor. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 296, 126683	8.5	23
345	Highly conductive Faradaic artificial muscle based on nanostructured polypyrrole-bis(trifluoromethylsulfonyl)imide synthesized onto electrospun polyurethane nanofibers. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 297, 126736	8.5	14
344	Effect of titanium dioxide and zinc oxide fillers on morphology, electrochemical and mechanical properties of the PEO-based nanofibers, applicable as an electrolyte for lithium-ion batteries. <i>Materials Research Express</i> , <b>2019</b> , 6, 0850d6	1.7	17
343	The behavior of the structure function by using the effective exponent at low x. <i>European Physical Journal A</i> , <b>2019</b> , 55, 1	2.5	8
342	Fabrication of a highly sensitive and selective modified electrode for imidacloprid determination based on designed nanocomposite graphene quantum dots/ionic liquid/multiwall carbon nanotubes/polyaniline. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 296, 126682	8.5	23
341	An ultrasensitive electrochemical anti-lysozyme aptasensor with biorecognition surface based on aptamer/amino-rGO/ionic liquid/amino-mesoporous silica nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2019</b> , 181, 16-24	6	14
340	Synthesis and characterization of a novel polyurethane/polypyrrole-p-toluenesulfonate (PU/PPy-pTS) electroactive nanofibrous bending actuator. <i>Polymers for Advanced Technologies</i> , <b>2019</b> , 30, 2261-2274	3.2	14
339	Copper nanoparticles immobilized on a hybrid chitosan derivative-graphite substrate as a novel electrocatalyst for the oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 16497-16506	6.7	7
338	Electrochemical reduction of CO <sub>2</sub> to ethanol using copper nanofoam electrode and 1-butyl-3-methyl-imidazolium bromide as the homogeneous co-catalyst. <i>Journal of Environmental Chemical Engineering</i> , <b>2019</b> , 7, 103141	6.8	16
337	Nickel-Ferrite Oxide Decorated on Reduced Graphene Oxide, an Efficient and Selective Electrochemical Sensor for Detection of Furazolidone. <i>IEEE Sensors Journal</i> , <b>2019</b> , 19, 5396-5403	4	14
336	The impressive effect of eco-friendly carbon dots on improving the performance of dye-sensitized solar cells. <i>Solar Energy</i> , <b>2019</b> , 182, 412-419	6.8	28
335	Selective Fluorescence Determination of Amoxicillin Antibiotic Based on Inner Filter Effect of Glutathione-Capped@CdTe Quantum Dots With Cobalt as a Mediating Agent. <i>IEEE Sensors Journal</i> , <b>2019</b> , 19, 5369-5375	4	4
334	A new glucose biosensor based on Nickel/KH550 nanocomposite deposited on the GCE: An electrochemical study. <i>Journal of Electroanalytical Chemistry</i> , <b>2019</b> , 839, 9-15	4.1	6
333	Glassy carbon electrode modified by new Copper(I) oxide nanocomposite for glucose detection: An electroanalysis study. <i>Applied Organometallic Chemistry</i> , <b>2019</b> , 33, e4834	3.1	5
332	Fluorometric label-free aptasensor for detection of the pesticide acetamiprid by using cationic carbon dots prepared with cetrimonium bromide. <i>Mikrochimica Acta</i> , <b>2019</b> , 186, 273	5.8	34
331	Simple and green synthesis of carbon dots (CDs) from valerian root and application of modified mesoporous boehmite (AlOOH) with CDs as a fluorescence probe for determination of imipramine. <i>Analytical and Bioanalytical Chemistry</i> , <b>2019</b> , 411, 3115-3124	4.4	9
330	The non-singlet structure function of light and heavy nuclei up to next-to-leading order analysis at low x region. <i>Nuclear Physics A</i> , <b>2019</b> , 986, 195-212	1.3	0

329	Evaluating the electrochemical properties of PEO-based nanofibrous electrolytes incorporated with TiO <sub>2</sub> nanofiller applicable in lithium-ion batteries. <i>Polymers for Advanced Technologies</i> , <b>2019</b> , 30, 1234-1242	3.2	20
328	An optical sensor with specific binding sites for the detection of thioridazine hydrochloride based on ZnO-QDs coated with molecularly imprinted polymer. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2019</b> , 206, 460-465	4.4	23
327	A novel optical sensor based on carbon dots embedded molecularly imprinted silica for selective acetamiprid detection. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2019</b> , 210, 36-43	4.4	27
326	Ratio of the structure functions and the color dipole model bound. <i>Nuclear Physics A</i> , <b>2019</b> , 990, 244-258	1.3	5
325	Electrochemical detection techniques in biosensor applications <b>2019</b> , 11-43		16
324	Nanofibrous poly(ethylene oxide)-based structures incorporated with multi-walled carbon nanotube and graphene oxide as all-solid-state electrolytes for lithium ion batteries. <i>Polymer International</i> , <b>2019</b> , 68, 1787-1794	3.3	19
323	Manufacturing of a Sensitive and Selective Optical Sensor Based on Molecularly Imprinted Polymers and Green Carbon Dots Synthesized from Cedrus Plant for Trace Analysis of Propranolol. <i>Analytical Sciences</i> , <b>2019</b> , 35, 1083-1088	1.7	10
322	An impedimetric biosensor based on poly(L-lysine)-decorated multiwall carbon nanotubes for the determination of diazinon in water and fruits. <i>Journal of the Iranian Chemical Society</i> , <b>2019</b> , 16, 2777-2785	2.3	7
321	Electrospun Polyethylene Oxide-Based Membranes Incorporated with Silicon Dioxide, Aluminum Oxide and Clay Nanoparticles as Flexible Solvent-Free Electrolytes for Lithium-Ion Batteries. <i>Jom</i> , <b>2019</b> , 71, 4537-4546	2.1	12
320	Electrochemical conversion of CO <sub>2</sub> to methanol using a glassy carbon electrode, modified by Pt@histamine-reduced graphene oxide. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 30820-30831	6.7	16
319	Application of coated green source carbon dots with silica molecularly imprinted polymers as a fluorescence probe for selective and sensitive determination of phenobarbital. <i>Talanta</i> , <b>2019</b> , 194, 143-149	6.3	38
318	MWCNTs/Ionic Liquid/Graphene Quantum Dots Nanocomposite Coated with Nickel-Cobalt Bimetallic Catalyst as a Highly Selective Non-enzymatic Sensor for Determination of Glucose. <i>Electroanalysis</i> , <b>2019</b> , 31, 40-49	3	8
317	Rheological behavior of polypropylene/carbon quantum dot nanocomposites: the effects of particles size, particles/matrix interface adhesion, and particles loading. <i>Polymer Bulletin</i> , <b>2019</b> , 76, 4335-4354	2.4	4
316	Morphology and electrochemical and mechanical properties of polyethylene-oxide-based nanofibrous electrolytes applicable in lithium ion batteries. <i>Polymer International</i> , <b>2019</b> , 68, 746-754	3.3	14
315	An ancient plant for the synthesis of a novel carbon dot and its applications as an antibacterial agent and probe for sensing of an anti-cancer drug. <i>Materials Science and Engineering C</i> , <b>2019</b> , 98, 826-833	8.3	53
314	An optical sensor based on inner filter effect using green synthesized carbon dots and Cu(II) for selective and sensitive penicillamine determination. <i>Journal of the Iranian Chemical Society</i> , <b>2019</b> , 16, 355-363	2	8
313	Simple preparation and characterization of molecularly imprinted nylon 6 nanofibers for the extraction of bisphenol A from wastewater. <i>Journal of Applied Polymer Science</i> , <b>2019</b> , 136, 47112	2.9	12
312	Thermally reduced graphene oxide/polymelamine formaldehyde nanocomposite as a high specific capacitance electrochemical supercapacitor electrode. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 6045-6053	1.3	15

311	Electrochemical analysis of AC-electrophoretic combination of TiO <sub>2</sub> nanoparticle and open-ended nanotube membrane. <i>Journal of Electroanalytical Chemistry</i> , <b>2018</b> , 814, 127-133	4.1	1
310	Molecularly imprinted electrochemical aptasensor for the attomolar detection of bisphenol A. <i>Mikrochimica Acta</i> , <b>2018</b> , 185, 265	5.8	33
309	Magnetic Dual-template Molecularly Imprinted Polymer Nanoparticles for the Simultaneous Determination of Acetaminophen and Codeine in Urine Samples by Ion Mobility Spectrometry. <i>Analytical Sciences</i> , <b>2018</b> , 34, 297-303	1.7	13
308	Efficient and stable HER electrocatalyst using Pt-nanoparticles@poly(3,4-ethylenedioxythiophene) modified sulfonated graphene nanocomposite. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 8323-8332	6.7	12
307	Lysozyme aptasensor based on a glassy carbon electrode modified with a nanocomposite consisting of multi-walled carbon nanotubes, poly(diallyl dimethyl ammonium chloride) and carbon quantum dots. <i>Mikrochimica Acta</i> , <b>2018</b> , 185, 180	5.8	22
306	3D TiO <sub>2</sub> self-acting system based on dye-sensitized solar cell and g-C <sub>3</sub> N <sub>4</sub> /TiO <sub>2</sub> -MIP to enhanced photodegradation performance. <i>Renewable Energy</i> , <b>2018</b> , 123, 281-293	8.1	17
305	A fluorescent aptasensor for analysis of adenosine triphosphate based on aptamer-magnetic nanoparticles and its single-stranded complementary DNA labeled carbon dots. <i>Luminescence</i> , <b>2018</b> , 33, 640-646	2.5	16
304	Hydrogen evolution reaction and formic acid oxidation by decorated nanostructural Pt/Pd on a copper-filled nanoporous stainless steel. <i>Journal of the Iranian Chemical Society</i> , <b>2018</b> , 15, 955-965	2	5
303	Phenomenological Behavior of the Hard Pomeron Intercept. <i>International Journal of Theoretical Physics</i> , <b>2018</b> , 57, 2309-2318	1.1	2
302	NiO nanoparticles decorated at Nile blue-modified reduced graphene oxide, new powerful electrocatalysts for water splitting. <i>Journal of Electroanalytical Chemistry</i> , <b>2018</b> , 816, 160-170	4.1	10
301	Zirconium dioxide-reduced graphene oxide nanocomposite-coated stir-bar sorptive extraction coupled with ion mobility spectrometry for determining ethion. <i>Talanta</i> , <b>2018</b> , 182, 285-291	6.2	24
300	Photovoltaic Performance Analysis of Dye-Sensitized Solar Cell Based on the Ag(4,4'-Dicyanamidobiphenyl) Complex as a Light-Scattering Layer Agent and Linker Molecule on TiO <sub>2</sub> Photoanode. <i>IEEE Journal of Photovoltaics</i> , <b>2018</b> , 8, 1230-1236	3.7	3
299	Porous magnetic iron-manganese oxide nanocubes derived from metal organic framework deposited on reduced graphene oxide nanoflake as a bi-functional electrocatalyst for hydrogen evolution and oxygen reduction reaction. <i>Electrochimica Acta</i> , <b>2018</b> , 283, 1359-1365	6.7	17
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297	Three-dimensional graphene promoted by palladium nanoparticles, an efficient electrocatalyst for energy production and storage. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 9652-9662	6.7	14
296	Engineering onion-like nanoporous CuCo <sub>2</sub> O <sub>4</sub> hollow spheres derived from bimetal-organic frameworks for high-performance asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 10497-10506	13	89
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287	Synthesis of molecularly imprinted polymer on carbon quantum dots as an optical sensor for selective fluorescent determination of promethazine hydrochloride. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 257, 889-896	8.5	71
286	A Novel Optosensor for Rapid Detection of Difenconazole Using Molecularly Imprinted Polymers. <i>IEEE Sensors Journal</i> , <b>2018</b> , 18, 9466-9470	4	5
285	Reduction of carbon dioxide to methanol on the surface of adenine functionalized reduced graphene oxide at a low potential. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 23262-23274	6.7	16
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278	Reduced graphene oxide decorated with thionine, excellent nanocomposite material for a powerful electrochemical supercapacitor. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 19102-19110	6.7	13
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214	An electrochemical biosensor based on nanoporous stainless steel modified by gold and palladium nanoparticles for simultaneous determination of levodopa and uric acid. <i>Talanta</i> , <b>2016</b> , 158, 42-50	6.2	56
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179	Graphene nanosheets functionalized with Nile blue as a stable support for the oxidation of glucose and reduction of oxygen based on redox replacement of Pd-nanoparticles via nickel oxide. <i>Electrochimica Acta</i> , <b>2015</b> , 173, 619-629	6.7	45
178	A new electrochemical sensor for the simultaneous determination of acetaminophen and codeine based on porous silicon/palladium nanostructure. <i>Talanta</i> , <b>2015</b> , 134, 745-753	6.2	64
177	Facile synthesis of PtPd@Silicon nanostructure as an advanced electrocatalyst for direct methanol fuel cells. <i>Journal of Power Sources</i> , <b>2015</b> , 282, 452-461	8.9	27
176	A sensitive electrochemical sensor for hydroxylamine determination: Using multiwall carbon nanotube paste electrode (MWCNTPE) and promazine hydrochloride as homogenous mediator. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 211, 138-145	8.5	16
175	Impedimetric DNA-biosensor for the study of anti-cancer action of mitomycin C: comparison between acid and electroreductive activation. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 59, 282-8	11.8	13
174	Removal of Phosphate from Aqueous Solutions Using a New Modified Bentonite-Derived Hydrogel. <i>Water, Air, and Soil Pollution</i> , <b>2014</b> , 225, 1	2.6	11
173	A novel electrochemical nanocomposite imprinted sensor for the determination of lorazepam based on modified polypyrrole@sol-gel@gold nanoparticles/pencil graphite electrode. <i>Electrochimica Acta</i> , <b>2014</b> , 123, 332-339	6.7	70
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171	A novel sensitive doxorubicin impedimetric immunosensor based on a specific monoclonal antibody-gold nanoparticle-sol-gel modified electrode. <i>Talanta</i> , <b>2014</b> , 119, 164-9	6.2	30
170	Fabrication of a porous Pd film on nanoporous stainless steel using galvanic replacement as a novel electrocatalyst/electrode design for glycerol oxidation. <i>Electrochimica Acta</i> , <b>2014</b> , 136, 89-96	6.7	37
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168	Sensitive voltammetric determination of cysteamine using promazine hydrochloride as a mediator and modified multi-wall carbon nanotubes carbon paste electrodes. <i>Ionics</i> , <b>2014</b> , 20, 1335-1342	2.7	9

167	Preparation of activated carbon from organic fraction of municipal solid wastes by ZnCl <sub>2</sub> activation method and use it for elimination of chromium(VI) from aqueous solutions. <i>Journal of the Iranian Chemical Society</i> , <b>2014</b> , 11, 1075-1085	2	3
166	The static properties and form factors of the deuteron using the different forms of the Wood-Saxon potential. <i>Iranian Physical Journal</i> , <b>2014</b> , 8, 203-210		1
165	Nanostructure-based electrochemical sensor for determination of glutathione in hemolysed erythrocytes and urine. <i>Journal of Analytical Chemistry</i> , <b>2014</b> , 69, 892-898	1.1	4
164	Development of Electro-Spun Poly (Vinyl Alcohol)/Titanium Dioxide Membrane-Based Polymer Electrolytes for Lithium-Ion Batteries. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , <b>2014</b> , 63, 161-171	3	15
163	A new electrochemical sensor based on porous silicon supported PtPd nanoalloy for simultaneous determination of adenine and guanine. <i>Sensors and Actuators B: Chemical</i> , <b>2014</b> , 204, 528-535	8.5	40
162	Graphene nanosheets functionalized with 4-aminothiophenol as a stable support for the oxidation of formic acid based on self-supported Pd-nanoclusters via galvanic replacement from Cu <sub>2</sub> O nanocubes. <i>Journal of Electroanalytical Chemistry</i> , <b>2014</b> , 731, 20-27	4.1	11
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160	Modified Au nanoparticles-imprinted sol-gel, multiwall carbon nanotubes pencil graphite electrode used as a sensor for ranitidine determination. <i>Materials Science and Engineering C</i> , <b>2014</b> , 37, 113-9	8.3	33
159	Voltammetric behavior of dopamine at a glassy carbon electrode modified with NiFe <sub>2</sub> O <sub>4</sub> magnetic nanoparticles decorated with multiwall carbon nanotubes. <i>Materials Science and Engineering C</i> , <b>2014</b> , 39, 78-85	8.3	39
158	NiFe <sub>2</sub> O <sub>4</sub> nanoparticles decorated with MWCNTs as a selective and sensitive electrochemical sensor for the determination of epinephrine using differential pulse voltammetry. <i>Analytical Methods</i> , <b>2014</b> , 6, 6885-6892	3.2	43
157	Shadowing corrections to the derivative of the reduced cross-section at small x <b>2014</b> , 82, 1031-1038		
156	Electrochemical determination of hydrogen peroxide using copper/porous silicon based non-enzymatic sensor. <i>Sensors and Actuators B: Chemical</i> , <b>2014</b> , 196, 398-405	8.5	94
155	A new non-enzymatic glucose sensor based on copper/porous silicon nanocomposite. <i>Electrochimica Acta</i> , <b>2014</b> , 123, 219-226	6.7	89
154	Redox targeting of DNA anchored to MWCNTs and TiO <sub>2</sub> nanoparticles dispersed in poly dialyldimethylammonium chloride and chitosan. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2014</b> , 121, 99-105 <sup>6</sup>		19
153	Geometrical scaling in charm structure function ratios. <i>Nuclear Physics A</i> , <b>2014</b> , 929, 119-128	1.3	8
152	A phenomenological solution small x to the longitudinal structure function dynamical behavior. <i>International Journal of Modern Physics A</i> , <b>2014</b> , 29, 1450189	1.2	9
151	Adsorption of crude and engine oils from water using raw rice husk. <i>Water Science and Technology</i> , <b>2014</b> , 69, 947-52	2.2	9
150	Assessment of genotoxicity of catecholics using impedimetric DNA-biosensor. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 53, 43-50	11.8	27



149	Selective gas sorption and electrochemical properties of a dicyanamide coordination polymer: Insight from experimental and theoretical study. <i>Polyhedron</i> , <b>2014</b> , 69, 84-89	2.7	9
148	An electrochemical sensor based on multiwall carbon nanotubes and molecular imprinting strategy for warfarin recognition and determination. <i>Sensors and Actuators B: Chemical</i> , <b>2014</b> , 196, 539-545	8.5	70
147	A new strategy for the synthesis of 3-D Pt nanoparticles on reduced graphene oxide through surface functionalization, Application for methanol oxidation and oxygen reduction. <i>Electrochimica Acta</i> , <b>2014</b> , 130, 397-405	6.7	51
146	Electrocatalytic Determination of 6-Mercaptopurine Using Multiwall Carbon Nanotubes Paste Electrode in the Presence of Methyl dopa. <i>Current Nanoscience</i> , <b>2014</b> , 10, 512-520	1.4	3
145	Stainless steel modified with an aminosilane layer and gold nanoparticles as a novel disposable substrate for impedimetric immunosensors. <i>Biosensors and Bioelectronics</i> , <b>2013</b> , 48, 61-6	11.8	16
144	Combined microporous membrane-based liquid-liquid-liquid microextraction and in situ differential pulse voltammetry for highly sensitive detection of trimipramine. <i>Analytical Methods</i> , <b>2013</b> , 5, 4027	3.2	4
143	Decoupling of the DGLAP evolution equations at next-to-next-to-leading order (NNLO) at low-x. <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	23
142	Modeling of Ionic Conductivity Enhancement of LiClO <sub>4</sub> -PVA-C System by TiO <sub>2</sub> Addition Using Complex Numerical Model of PDE. <i>Journal of Materials Engineering and Performance</i> , <b>2013</b> , 22, 3639-3646 <sup>1,6</sup>	1.6	1
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139	A combined liquid three-phase micro-extraction and differential pulse voltammetric method for preconcentration and detection of ultra-trace amounts of buprenorphine using a modified pencil electrode. <i>Talanta</i> , <b>2013</b> , 116, 1113-20	6.2	10
138	Simultaneous detection of hydroxylamine and phenol using p-aminophenol-modified carbon nanotube paste electrode. <i>Chinese Journal of Catalysis</i> , <b>2013</b> , 34, 1768-1775	11.3	17
137	DNA-based biosensor for comparative study of catalytic effect of transition metals on autoxidation of sulfite. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 991-7	7.8	28
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135	Sensing Lorazepam with a glassy carbon electrode coated with an electropolymerized-imprinted polymer modified with multiwalled carbon nanotubes and gold nanoparticles. <i>Mikrochimica Acta</i> , <b>2013</b> , 180, 33-39	5.8	22
134	Adsorptive stripping voltammetry determination of methyl dopa on the surface of a carboxylated multiwall carbon nanotubes modified glassy carbon electrode in biological and pharmaceutical samples. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2013</b> , 109, 253-8	6	23
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132	Biosensor based on ds-DNA decorated chitosan modified multiwall carbon nanotubes for voltammetric biodetection of herbicide amitrole. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2013</b> , 109, 45-51 <sup>6</sup>	6	47

131	Methanol electrooxidation on synthesized PtRu nanocatalyst supported on acetylene black in half cell and in direct methanol fuel cell. <i>International Journal of Hydrogen Energy</i> , <b>2013</b> , 38, 5419-5424	6.7	14
130	Magnetic solid-phase extraction to preconcentrate ultra trace amounts of lead(II) using modified-carbon nanotubes decorated with NiFe <sub>2</sub> O <sub>4</sub> magnetic nanoparticles. <i>Analytical Methods</i> , <b>2013</b> , 5, 3903	3.2	26
129	Highly selective differential pulse voltammetric determination of phenazopyridine using MgCr <sub>2</sub> O <sub>4</sub> nanoparticles decorated MWCNTs-modified glassy carbon electrode. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2013</b> , 111, 270-6	6	11
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122	Synthesis of small-band gap poly(3,4-ethylenedioxythiophene methine)s using acidic ionic liquids as catalyst. <i>Polymer Bulletin</i> , <b>2013</b> , 70, 665-679	2.4	8
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117	Electrochemical performance of lead acid battery using ammonium hydrogen sulphate with different alkyl groups. <i>Ionics</i> , <b>2012</b> , 18, 109-116	2.7	2
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51	Ion mobility spectrometry as a detector for molecular imprinted polymer separation and metronidazole determination in pharmaceutical and human serum samples. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 3585-91	7.8	64
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37	Voltammetric behavior of multi-walled carbon nanotubes modified electrode-hexacyanoferrate(II) electrocatalyst system as a sensor for determination of captopril. <i>Sensors and Actuators B: Chemical</i> , <b>2008</b> , 134, 324-331	8.5	158
36	A simple and selective spectrophotometric flow injection determination of trace amounts of ruthenium by catalytic oxidation of safranin-O. <i>Journal of Hazardous Materials</i> , <b>2008</b> , 151, 456-60	12.8	8
35	A fast response cadmium-selective polymeric membrane electrode based on N,NM(4-methyl-1,2-phenylene)diquinoline-2-carboxamide as a new neutral carrier. <i>Journal of Hazardous Materials</i> , <b>2008</b> , 153, 179-86	12.8	30
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