Somayeh Tajik

List of Publications by Year
in descending order

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115 papers	6,094 citations	66250 44 h-index	90395 73 g-index
115 all docs	115 docs citations	115 times ranked	3927 citing authors

#	Article	IF	Citations
1	A reliable electrochemical approach for detection of sulphite with Tl-doped in Mn ₃ O ₄ nanostructures and ionic liquid-modified carbon paste electrode. International Journal of Environmental Analytical Chemistry, 2023, 103, 6526-6538.	1.8	3
2	An electrochemical sensing platform based on Fe ₃ O ₄ @CuO core-shell nanocomposite modified screen printed graphite electrode for sensitive hydroxylamine detection. International Journal of Environmental Analytical Chemistry, 2023, 103, 7773-7787.	1.8	4
3	Electroanalytical performance of hierarchical nanostructures of MgCo ₂ O ₄ on reduced graphene oxide modified screen-printed electrode for the sensitive determination of Sudan I. International Journal of Environmental Analytical Chemistry, 2023, 103, 7647-7665.	1.8	5
4	Fe₃O₄@MoS₂/rGO Nanocomposite/Ionic Liquid Modified Carbon Paste Electrode for Electrochemical Sensing of Dasatinib in the Presence of Doxorubicin. Industrial & Engineering Chemistry Research, 2023, 62, 4473-4480.	1.8	16
5	Determination of bisphenol A in real samples using modified graphite screen-printed electrode. International Journal of Environmental Analytical Chemistry, 2022, 102, 4986-4995.	1.8	4
6	Electrochemical sensing of Sudan I using the modified graphite screen-printed electrode. International Journal of Environmental Analytical Chemistry, 2022, 102, 1477-1490.	1.8	21
7	Fabrication of Nanostructure Electrochemical Sensor Based on the Carbon Paste Electrode (CPE) Modified With Ionic Liquid and Fe3O4/ZIF-67 for Electrocatalytic Sulfamethoxazole Detection. Topics in Catalysis, 2022, 65, 577-586.	1.3	7
8	Voltammetric Determination of Ceftizoxime by a Carbon Paste Electrode Modified with Ionic Liquid and Cu (Him)2 Nanoparticles. Topics in Catalysis, 2022, 65, 595-603.	1.3	3
9	Simultaneous and selective electrochemical sensing of methotrexate and folic acid in biological fluids and pharmaceutical samples using Fe3O4/ppy/Pd nanocomposite modified screen printed graphite electrode. Chemosphere, 2022, 291, 132736.	4.2	63
10	Co-detection of carmoisine and tartrazine by carbon paste electrode modified with ionic liquid and MoO3/WO3 nanocomposite. Journal of Food Measurement and Characterization, 2022, 16, 722-730.	1.6	61
11	Co-detection of vanillin and folic acid using a novel electrochemical sensor of NiFe2O4/rGO/ILCPE. Journal of Materials Science: Materials in Electronics, 2022, 33, 2020.	1.1	5
12	Electrochemical Sensor Based on ZnFe2O4/RGO Nanocomposite for Ultrasensitive Detection of Hydrazine in Real Samples. Nanomaterials, 2022, 12, 491.	1.9	49
13	Green Synthesis of Zeolitic Imidazolate Frameworks: A Review of Their Characterization and Industrial and Medical Applications. Materials, 2022, 15, 447.	1.3	24
14	Synthesis and Characterization of GO/ZIF-67 Nanocomposite: Investigation of Catalytic Activity for the Determination of Epinine in the Presence of Dobutamine. Micromachines, 2022, 13, 88.	1.4	27
15	Amplified electrochemical sensor employing screen-printed electrode modified with Ni-ZIF-67 nanocomposite for high sensitive analysis of Sudan I in present bisphenol A. Food and Chemical Toxicology, 2022, 161, 112824.	1.8	68
16	Voltammetric Determination of Isoniazid in the Presence of Acetaminophen Utilizing MoS2-Nanosheet-Modified Screen-Printed Electrode. Micromachines, 2022, 13, 369.	1.4	37
17	A sensor fabricated with spinel zinc ferrite nanoparticles and reduced graphene oxide for electrochemical detection of Sudan I. Journal of the Iranian Chemical Society, 2022, 19, 3127-3134.	1.2	3
18	Applications of Nonâ€precious Transition Metal Oxide Nanoparticles in Electrochemistry. Electroanalysis, 2022, 34, 1065-1091.	1.5	17

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19	A Comprehensive Review of Metalâ€“Organic Framework: Synthesis, Characterization, and Investigation of Their Application in Electrochemical Biosensors for Biomedical Analysis. Sensors, 2022, 22, 2238.	2.1	26
20	Recent advances in carbon nanomaterials-based electrochemical sensors for food azo dyes detection. Food and Chemical Toxicology, 2022, 164, 112961.	1.8	231
21	Application of MnO2 Nanorodâ€“Ionic Liquid Modified Carbon Paste Electrode for the Voltammetric Determination of Sulfanilamide. Micromachines, 2022, 13, 598.	1.4	20
22	A modified carbon paste electrode with N-rGO/CuO nanocomposite and ionic liquid for the efficient and cheap voltammetric sensing of hydroquinone in water specimens. Chemosphere, 2022, 302, 134712.	4.2	13
23	Hydrothermal synthesis of CuFe2O4 nanoparticles for highly sensitive electrochemical detection of sunset yellow. Food and Chemical Toxicology, 2022, 165, 113048.	1.8	31
24	A brief review on the recent achievements in electrochemical detection of folic acid. Journal of Food Measurement and Characterization, 2022, 16, 3423-3437.	1.6	3
25	Electrochemical determination of hydroxylamine through MOWS₂nano-composite modified electrode. International Journal of Environmental Analytical Chemistry, 2021, 101, 225-236.	1.8	5
26	Performance of metalâ€“organic frameworks in the electrochemical sensing of environmental pollutants. Journal of Materials Chemistry A, 2021, 9, 8195-8220.	5.2	135
27	Recent Developments in Polymer Nanocomposite-Based Electrochemical Sensors for Detecting Environmental Pollutants. Industrial & Engineering Chemistry Research, 2021, 60, 1112-1136.	1.8	128
28	Electrochemical Determination of Levodopa and Cabergoline by a Magnetic Core-Shell Iron (II,III) Oxide@Silica/Multiwalled Carbon Nanotube/Ionic Liquid/2-(4-Oxo-3-Phenyl-3,4-Dihydroquinazolinyl)-Nâ€²-Phenyl-Hydrazine Carbothioamide (FSCNT/IL/2PHC) Modified Carbon Paste Electrode. Analytical Letters, 2021, 54, 2638-2654.	1.0	4
29	Electrochemical Detection of Hydrazine by Carbon Paste Electrode Modified with Ferrocene Derivatives, Ionic Liquid, and CoS₂-Carbon Nanotube Nanocomposite. ACS Omega, 2021, 6, 4641-4648.	1.6	35
30	Determination of Sudan I and Bisphenol A in Tap Water and Food Samples Using Electrochemical Nanosensor. Surface Engineering and Applied Electrochemistry, 2021, 57, 397-407.	0.3	4
31	Nanomaterials modified electrodes for electrochemical detection of Sudan I in food. Journal of Food Measurement and Characterization, 2021, 15, 3837-3852.	1.6	95
32	An electrochemical strategy for toxic ractopamine sensing in pork samples; twofold amplified nano-based structure analytical tool. Journal of Food Measurement and Characterization, 2021, 15, 4098-4104.	1.6	101
33	Fe2MoO4 magnetic nanocomposite modified screen printed graphite electrode as a voltammetric sensor for simultaneous determination of nalbuphine and diclofenac. Journal of Materials Science: Materials in Electronics, 2021, 32, 17311-17323.	1.1	6
34	An electrochemical sensor based on V2O5 nanoparticles for the detection of ciprofloxacin. Journal of Materials Science: Materials in Electronics, 2021, 32, 17558-17567.	1.1	9
35	Magnetic nanomaterials based electrochemical (bio)sensors for food analysis. Talanta, 2021, 228, 122075.	2.9	85
36	High performance of screen-printed graphite electrode modified with Niâ€“Mo-MOF for voltammetric determination of amaranth. Journal of Food Measurement and Characterization, 2021, 15, 4617-4622.	1.6	99

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37	A critical review on the use of potentiometric based biosensors for biomarkers detection. Biosensors and Bioelectronics, 2021, 184, 113252.	5.3	343
38	A screen printed electrode modified with Fe3O4@polypyrrole-Pt core-shell nanoparticles for electrochemical detection of 6-mercaptopurine and 6-thioguanine. Talanta, 2021, 232, 122379.	2.9	101
39	Guanine-Based DNA Biosensor Amplified with Pt/SWCNTs Nanocomposite as Analytical Tool for Nanomolar Determination of Daunorubicin as an Anticancer Drug: A Docking/Experimental Investigation. Industrial & Engineering Chemistry Research, 2021, 60, 816-823.	1.8	358
40	Screen-Printed Electrode Surface Modification with NiCo2O4/RGO Nanocomposite for Hydroxylamine Detection. Nanomaterials, 2021, 11, 3208.	1.9	39
41	Voltammetric detection of sumatriptan in the presence of naproxen using Fe3O4@ZIF-8 nanoparticles modified screen printed graphite electrode. Scientific Reports, 2021, 11, 24068.	1.6	14
42	Selective electrochemical determination of bisphenol A via a Fe ₃ O ₄ NPs derivative-modified graphite screen-printed electrode. International Journal of Environmental Analytical Chemistry, 2020, 100, 1209-1225.	1.8	11
43	Voltammetric detection of gliclazide and glibenclamide with graphite screen-printed electrode modified with nanopetal-structured MoWS2. Research on Chemical Intermediates, 2020, 46, 837-852.	1.3	5
44	Amplified electrochemical sensor employing ZnO-CuO nanoplates for sensitive analysis of Sudan I. International Journal of Environmental Analytical Chemistry, 2020, 100, 109-120.	1.8	14
45	Electrochemical deduction of levodopa by utilizing modified electrodes: A review. Microchemical Journal, 2020, 152, 104287.	2.3	8
46	A novel electrochemical sensor based on graphene nanosheets and ethyl 2-(4-ferrocenyl-[1,2,3]triazol-1-yl) acetate for electrocatalytic oxidation of cysteine and tyrosine. Measurement: Journal of the International Measurement Confederation, 2020, 152, 107302.	2.5	16
47	Recent developments in conducting polymers: applications for electrochemistry. RSC Advances, 2020, 10, 37834-37856.	1.7	131
48	A Screen-Printed Electrode Modified With Graphene/Co3O4 Nanocomposite for Electrochemical Detection of Tramadol. Frontiers in Chemistry, 2020, 8, 562308.	1.8	23
49	Recent Advances in the Electrochemical Sensing of Venlafaxine: An Antidepressant Drug and Environmental Contaminant. Sensors, 2020, 20, 3675.	2.1	17
50	Recent developments in electrochemical sensors for detecting hydrazine with different modified electrodes. RSC Advances, 2020, 10, 30481-30498.	1.7	55
51	Recent Electrochemical Applications of Metalâ€“Organic Framework-Based Materials. Crystal Growth and Design, 2020, 20, 7034-7064.	1.4	112
52	Recent advances in ZnO nanostructure-based electrochemical sensors and biosensors. Journal of Materials Chemistry B, 2020, 8, 5826-5844.	2.9	116
53	Electrocatalytic oxidation and selective voltammetric detection of methyldopa in the presence of hydrochlorothiazide in real samples. Microchemical Journal, 2020, 158, 105182.	2.3	23
54	Developments and applications of nanomaterial-based carbon paste electrodes. RSC Advances, 2020, 10, 21561-21581.	1.7	94

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55	Recent Advances in the Aptamer-Based Electrochemical Biosensors for Detecting Aflatoxin B1 and Its Pertinent Metabolite Aflatoxin M1. Sensors, 2020, 20, 3256.	2.1	30
56	Recent Advances in Electrochemical Sensors and Biosensors for Detecting Bisphenol A. Sensors, 2020, 20, 3364.	2.1	50
57	A label-free aptasensor for highly sensitive detection of homocysteine based on gold nanoparticles. Bioelectrochemistry, 2020, 134, 107497.	2.4	34
58	Iron molybdenum oxide-modified screen-printed electrode: Application for electrocatalytic oxidation of cabergoline. Microchemical Journal, 2020, 157, 104890.	2.3	12
59	Applications of electrochemical sensors and biosensors based on modified screen-printed electrodes: a review. Analytical Methods, 2020, 12, 1547-1560.	1.3	108
60	Green Synthesis of Magnetic Nanocomposite with Iron Oxide Deposited on Cellulose Nanocrystals with Copper (Fe₃O₄@CNC/Cu): Investigation of Catalytic Activity for the Development of a Venlafaxine Electrochemical Sensor. Industrial & Engineering Chemistry Research, 2020, 59, 4219-4228.	1.8	142
61	Recent Advances in Applications of Voltammetric Sensors Modified with Ferrocene and Its Derivatives. ACS Omega, 2020, 5, 2049-2059.	1.6	132
62	Direct electrochemical detection of clozapine by RuO2 nanoparticles-modified screen-printed electrode. RSC Advances, 2020, 10, 13021-13028.	1.7	15
63	Fabrication of magnetic iron oxide-supported copper oxide nanoparticles (Fe3O4/CuO): modified screen-printed electrode for electrochemical studies and detection of desipramine. RSC Advances, 2020, 10, 15171-15178.	1.7	17
64	Carbon and graphene quantum dots: a review on syntheses, characterization, biological and sensing applications for neurotransmitter determination. RSC Advances, 2020, 10, 15406-15429.	1.7	315
65	Simultaneous determination of droxidopa and carbidopa by carbon paste electrode functionalized with NiFe2O4 nanoparticle and 2-(4-ferrocenyl-[1,2,3]triazol-1-yl)-1-(naphthalen-2-yl) ethanone. Measurement: Journal of the International Measurement Confederation, 2020, 155, 107522.	2.5	17
66	La2O3/Co3O4 nanocomposite modified screen printed electrode for voltammetric determination of sertraline. Journal of the Serbian Chemical Society, 2020, 85, 505-515.	0.4	6
67	Dietary Total Antioxidant Capacity and Its Association with Renal Function and Progression of Chronic Kidney Disease in Older Adults: a Report from a Developing Country. Clinical Nutrition Research, 2020, 9, 296.	0.5	3
68	A new electrochemical DNA biosensor based on modified carbon paste electrode using graphene quantum dots and ionic liquid for determination of topotecan. Microchemical Journal, 2019, 150, 104085.	2.3	107
69	Fabrication of electrochemical nanosensor based on carbon paste electrode modified with graphene oxide nano-ribbons and 3-(4â€²-amino-3â€²-hydroxy-biphenyl-4-yl)-acrylic acid for simultaneous detection of carbidopa and droxidopa. Research on Chemical Intermediates, 2019, 45, 5143-5157.	1.3	3
70	Electrochemical measurements of ascorbic acid based on graphite screen printed electrode modified with La3+/Co3O4 nanocubes transducer. Journal of Electrochemical Science and Engineering, 2019, 9, 197-206.	1.6	6
71	Highly sensitive electrochemical sensor based on La3+-doped Co3O4 nanocubes for determination of sudan I content in food samples. Food Chemistry, 2019, 286, 191-196.	4.2	123
72	Synthesis of La3+/Co3O4 Nanoflowers for Sensitive Detection of Chlorpromazine. Russian Journal of Electrochemistry, 2019, 55, 314-321.	0.3	14

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73	A sensitive voltammetric sertraline nanosensor based on ZnFe2O4 nanoparticles modified screen printed electrode. Measurement: Journal of the International Measurement Confederation, 2019, 143, 51-57.	2.5	23
74	A modified screen printed electrode based on La3+-doped Co3O4 nanocubes for determination of sulfite in real samples. Microchemical Journal, 2019, 147, 590-597.	2.3	28
75	Screenâ€printed Electrode Modified with ZnFe₂O₄ Nanoparticles for Detection of Acetylcholine. Electroanalysis, 2019, 31, 1135-1140.	1.5	13
76	Screen-Printed Electrode Modified with La³⁺-Doped Co₃O₄ÂNanocubes for Electrochemical Determination of Hydroxylamine. Journal of the Electrochemical Society, 2019, 166, B402-B406.	1.3	31
77	Electrochemical Determination of Mangiferin Using Modified Screen Printed Electrode. International Journal of Electrochemical Science, 2019, 14, 4361-4370.	0.5	8
78	A novel dopamine electrochemical sensor based on La3+/ZnO nanoflower modified graphite screen printed electrode. Journal of Electrochemical Science and Engineering, 2019, 9, 187-195.	1.6	15
79	A Review on the Effects of Introducing CNTs in the Modification Process of Electrochemical Sensors. Electroanalysis, 2019, 31, 1195-1203.	1.5	107
80	Voltammetric determination of venlafaxine as an antidepressant drug employing Gd2O3 nanoparticles graphite screen printed electrode. Journal of Rare Earths, 2019, 37, 322-328.	2.5	18
81	Voltammetric Determination of Bisphenol A in Water and Juice Using a Lanthanum (III)-Doped Cobalt (II,III) Nanocube Modified Carbon Screen-Printed Electrode. Analytical Letters, 2019, 52, 1432-1444.	1.0	94
82	Electrocatalytic determination of captopril using a carbon paste electrode modified with N-(ferrocenyl methylidene) fluorene-2-amine and graphene/ZnO nanocomposite. Journal of the Serbian Chemical Society, 2019, 84, 175-185.	0.4	17
83	Screen printed carbon electrode modified with magnetic core shell manganese ferrite nanoparticles for electrochemical detection of amlodipine. Journal of the Serbian Chemical Society, 2019, 84, 1005-1016.	0.4	17
84	Application of graphite screen printed electrode modified with dysprosium tungstate nanoparticles in voltammetric determination ofÂepinephrine in the presence of acetylcholine. Journal of Rare Earths, 2018, 36, 750-757.	2.5	96
85	Application of Fe3O4@SiO2/GO nanocomposite for sensitive and selective electrochemical sensing of tryptophan. Journal of Electrochemical Science and Engineering, 2018, 9, 45-53.	1.6	19
86	Voltammetric and amperometric sensors for determination of epinephrine: A short review (2013-2017). Journal of Electrochemical Science and Engineering, 2018, 9, 27-43.	1.6	20
87	Nonenzymatic coated screen-printed electrode for electrochemical determination of acetylcholine. Micro and Nano Systems Letters, 2018, 6, .	1.7	23
88	Methyldopa electrochemical sensor based on a glassy carbon electrode modified with Cu/TiO2 nanocomposite. Journal of the Serbian Chemical Society, 2018, 83, 863-874.	0.4	90
89	Voltammetric determination of droxidopa in the presence of carbidopa using a nanostructured base electrochemical sensor. Russian Journal of Electrochemistry, 2017, 53, 452-460.	0.3	35
90	Preparation, Characterization and Electrochemical Application of ZnS/ZnAl₂S₄ Nanocomposite for Voltammetric Determination of Methionine and Tryptophan Using Modified Carbon Paste Electrode. Electroanalysis, 2016, 28, 656-662.	1.5	18

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91	Electrocatalytic Determination of Hydrazine and Phenol Using a Carbon Paste Electrode Modified with Ionic Liquids and Magnetic Coreâ€shell Fe₃O₄@SiO₂/MWCNT Nanocomposite. Electroanalysis, 2016, 28, 1093-1099.	1.5	78
92	Fabrication of a Nanostructure Based Electrochemical Sensor for Voltammetric Determination of Epinephrine, Uric Acid and Folic Acid. Electroanalysis, 2015, 27, 2620-2628.	1.5	80
93	Fabrication of novel TiO2 nanoparticles/Mn(III) salen doped carbon paste electrode: application as electrochemical sensor for the determination of hydrazine in the presence of phenol. Environmental Monitoring and Assessment, 2015, 187, 407.	1.3	37
94	Construction of a nanostructure-based electrochemical sensor for voltammetric determination of bisphenol A. Environmental Monitoring and Assessment, 2015, 187, 257.	1.3	51
95	Synthesis of graphene oxide nanosheets and its application to construct a modified carbon paste electrode as a hydroxylamine electrochemical sensor. Ionics, 2015, 21, 2363-2370.	1.2	14
96	Electrochemical determination of the anticancer drug taxol at a ds-DNA modified pencil-graphite electrode and its application as a label-free electrochemical biosensor. Talanta, 2015, 134, 60-64.	2.9	108
97	Simultaneous determination of norepinephrine, acetaminophen and tryptophan using a modified graphene nanosheets paste electrode. Research on Chemical Intermediates, 2015, 41, 6885-6896.	1.3	23
98	The first electrochemical sensor for determination of mangiferin based on an ionic liquidâ€“graphene nanosheets paste electrode. Ionics, 2014, 20, 1155-1161.	1.2	63
99	Application of a new ferrocene-derivative modified-graphene paste electrode for simultaneous determination of isoproterenol, acetaminophen and theophylline. Sensors and Actuators B: Chemical, 2014, 197, 228-236.	4.0	100
100	Mangiferin DNA biosensor using double-stranded DNA modified pencil graphite electrode based on guanine and adenine signals. Journal of Electroanalytical Chemistry, 2014, 720-721, 134-138.	1.9	60
101	First Report for Electrochemical Determination of Levodopa and Cabergoline: Application for Determination of Levodopa and Cabergoline in Human Serum, Urine and Pharmaceutical Formulations. Electroanalysis, 2014, 26, 796-806.	1.5	79
102	Simultaneous determination of hydroxylamine and phenol using a nanostructure-based electrochemical sensor. Environmental Monitoring and Assessment, 2014, 186, 7431-7441.	1.3	85
103	Electrochemical determination of sulfite and phenol using a carbon paste electrode modified with ionic liquids and graphene nanosheets: Application to determination of sulfite and phenol in real samples. Measurement: Journal of the International Measurement Confederation, 2014, 56, 170-177.	2.5	102
104	Application of a modified graphene nanosheet paste electrode for voltammetric determination of methyldopa in urine and pharmaceutical formulation. Journal of Analytical Science and Technology, 2014, 5, .	1.0	72
105	Voltammetric determination of hydroxylamine in water samples using a 1-benzyl-4-ferrocenyl-1H-[1,2,3]-triazole/carbon nanotube-modified glassy carbon electrode. Ionics, 2014, 20, 571-579.	1.2	48
106	Nanostructured base electrochemical sensor for voltammetric determination of homocysteine using a modified single-walled carbon nanotubes paste electrode. Ionics, 2014, 20, 1481-1488.	1.2	9
107	Application of a 1â€benzylâ€4â€ferrocenylâ€1Hâ€[1,2,3]â€triazole/carbon nanotube modified glassy carbon electrode for voltammetric determination of hydrazine in water samples. Applied Organometallic Chemistry, 2013, 27, 444-450.	1.7	42
108	Simultaneous determination of droxidopa and carbidopa using a carbon nanotubes paste electrode. Sensors and Actuators B: Chemical, 2013, 188, 923-930.	4.0	79

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109	Nanostructure-based electrochemical sensor for the voltammetric determination of benserazide, uric acid, and folic acid. Chinese Journal of Catalysis, 2013, 34, 1869-1875.	6.9	41
110	First report for simultaneous determination of methyldopa and hydrochlorothiazide using a nanostructured based electrochemical sensor. Journal of Electroanalytical Chemistry, 2013, 704, 137-144.	1.9	80
111	Potentiometric Determination of Trace Amounts of Aluminium Utilizing Polyvinyl Chloride Membrane and Coated Platinum Sensors Based on E-Nâ€²-(2-Hydroxy-3-methoxybenzylidene) benzohydrazide. Journal of AOAC INTERNATIONAL, 2013, 96, 204-211.	0.7	9
112	A new sorbent of modified MWCNTs for column preconcentration of ultra trace amounts of zinc in biological and water samples. Desalination, 2011, 278, 57-64.	4.0	46
113	New method for microextraction of ultra trace quantities of gold in real samples using ultrasound-assisted emulsification of solidified floating organic drops. Mikrochimica Acta, 2011, 173, 249-257.	2.5	49
114	Electrochemical investigation of Mn3O4/ZrO2 nanocomposite; a robust sensor platform for the sensitive determination of bisphenol A. International Journal of Environmental Analytical Chemistry, 0, , 1-13.	1.8	1
115	Application of Conductive Polymer Nanocomposites. ACS Symposium Series, 0, , 313-344.	0.5	5