

Ugur Tamer

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123
papers

3,224
citations

33
h-index

52
g-index

128
ext. papers

3,732
ext. citations

4.9
avg, IF

5.41
L-index

#	Paper	IF	Citations
123	SERS-based sandwich immunoassay using antibody coated magnetic nanoparticles for Escherichia coli enumeration. <i>Analyst, The</i> , 2011 , 136, 740-8	5	182
122	Nanostructured organic semiconductor films for molecular detection with surface-enhanced Raman spectroscopy. <i>Nature Materials</i> , 2017 , 16, 918-924	27	149
121	Magnetic gold nanoparticles in SERS-based sandwich immunoassay for antigen detection by well oriented antibodies. <i>Biosensors and Bioelectronics</i> , 2013 , 43, 281-8	11.8	138
120	Rapid analysis of sugars in honey by processing Raman spectrum using chemometric methods and artificial neural networks. <i>Food Chemistry</i> , 2013 , 136, 1444-52	8.5	134
119	Synthesis of magnetic core-shell Fe ₃ O ₄ @Au nanoparticle for biomolecule immobilization and detection. <i>Journal of Nanoparticle Research</i> , 2010 , 12, 1187-1196	2.3	132
118	A novel glucose biosensor platform based on Ag@AuNPs modified graphene oxide nanocomposite and SERS application. <i>Journal of Colloid and Interface Science</i> , 2013 , 406, 231-7	9.3	106
117	Comparison of sensing strategies in SPR biosensor for rapid and sensitive enumeration of bacteria. <i>Biosensors and Bioelectronics</i> , 2012 , 37, 53-60	11.8	79
116	A novel method for quantification of ethanol and methanol in distilled alcoholic beverages using Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2012 , 43, 1171-1176	2.3	75
115	Attomole sensitivity of staphylococcal enterotoxin B detection using an aptamer-modified surface-enhanced Raman scattering probe. <i>Analytical Chemistry</i> , 2012 , 84, 10600-6	7.8	69
114	Large area uniform deposition of silver nanoparticles through bio-inspired polydopamine coating on silicon nanowire arrays for practical SERS applications. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 4894-4900	7.3	68
113	A highly sensitive detection platform based on surface-enhanced Raman scattering for Escherichia coli enumeration. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 397, 1595-604	4.4	65
112	A SERS-based sandwich assay for ultrasensitive and selective detection of Alzheimer's tau protein. <i>Biomacromolecules</i> , 2013 , 14, 3001-9	6.9	63
111	Determination of butter adulteration with margarine using Raman spectroscopy. <i>Food Chemistry</i> , 2013 , 141, 4397-403	8.5	62
110	Paper membrane-based SERS platform for the determination of glucose in blood samples. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 8243-51	4.4	60
109	Combining 3-D plasmonic gold nanorod arrays with colloidal nanoparticles as a versatile concept for reliable, sensitive, and selective molecular detection by SERS. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 5563-70	3.6	56
108	Performance of different crystal structures of PbO ₂ on electrochemical degradation of phenol in aqueous solution. <i>Applied Surface Science</i> , 2005 , 240, 112-119	6.7	55
107	Detection of melamine in milk by surface-enhanced Raman spectroscopy coupled with magnetic and Raman-labeled nanoparticles. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 403, 2009-17	4.4	53

106	An enzyme free potentiometric detection of glucose based on a conducting polymer poly (3-aminophenyl boronic acid-co-3-octylthiophene). <i>Electrochimica Acta</i> , 2013 , 90, 358-365	6.7	51
105	Extremely sensitive sandwich assay of kanamycin using surface-enhanced Raman scattering of 2-mercaptobenzothiazole labeled gold@silver nanoparticles. <i>Analytica Chimica Acta</i> , 2014 , 817, 33-41	6.6	50
104	Fabrication of magnetic gold nanorod particles for immunomagnetic separation and SERS application. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 3167-3176	2.3	49
103	Electrochemically controlled solid-phase microextraction (EC-SPME) based on overoxidized sulfonated polypyrrole. <i>Talanta</i> , 2005 , 67, 245-51	6.2	49
102	Micro-/Nanostructured Highly Crystalline Organic Semiconductor Films for Surface-Enhanced Raman Spectroscopy Applications. <i>Advanced Functional Materials</i> , 2015 , 25, 5669-5676	15.6	48
101	Electrochemical control of solid phase micro-extraction: conducting polymer coated film material applicable for preconcentration/analysis of neutral species. <i>Talanta</i> , 2002 , 58, 739-45	6.2	48
100	Gold-Coated Iron Composite Nanospheres Targeted the Detection of Escherichia coli. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 6223-40	6.3	47
99	Silver nanoparticles: cytotoxic, apoptotic, and necrotic effects on MCF-7 cells. <i>Turkish Journal of Biology</i> , 2013 , 37, 573-581	3.1	45
98	Rapid detection of bacteria based on homogenous immunoassay using chitosan modified quantum dots. <i>Sensors and Actuators B: Chemical</i> , 2016 , 233, 369-378	8.5	44
97	Functional gold nanorod particles on conducting polymer poly(3-octylthiophene) as non-enzymatic glucose sensor. <i>Reactive and Functional Polymers</i> , 2012 , 72, 127-132	4.6	41
96	Molecularly imprinted superparamagnetic iron oxide nanoparticles for rapid enrichment and separation of cholesterol. <i>Analyst, The</i> , 2013 , 138, 7238-45	5	41
95	Analysis of bakery products by laser-induced breakdown spectroscopy. <i>Food Chemistry</i> , 2015 , 181, 186-98.5	9.5	40
94	SERS-based direct and sandwich assay methods for mir-21 detection. <i>Analyst, The</i> , 2014 , 139, 1141-7	5	40
93	Ultrasensitive and selective homogeneous sandwich immunoassay detection by Surface Enhanced Raman Scattering (SERS). <i>Analyst, The</i> , 2012 , 137, 4834-40	5	36
92	A high sensitive assay platform based on surface-enhanced Raman scattering for quantification of protease activity. <i>Talanta</i> , 2010 , 82, 631-9	6.2	36
91	Fabrication of a SERS based aptasensor for detection of ricin B toxin. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 306-315	7.3	34
90	Non-enzymatic sensing of glucose using a glassy carbon electrode modified with gold nanoparticles coated with polyethyleneimine and 3-aminophenylboronic acid. <i>Mikrochimica Acta</i> , 2016 , 183, 1479-1486	5.8	32
89	A rapid method for determination of the origin of meat and meat products based on the extracted fat spectra by using of Raman spectroscopy and chemometric method. <i>European Food Research and Technology</i> , 2014 , 238, 845-852	3.4	32

88	Glucose determination based on a two component self-assembled monolayer functionalized surface-enhanced Raman spectroscopy (SERS) probe. <i>Analytical Methods</i> , 2014 , 6, 5097-5104	3.2	31
87	Electrochemically Aided Control of Solid Phase Micro-Extraction (EASPM) Using Conducting Polymer-Coated Solid Substrates Applicable to Neutral Analytes. <i>Mikrochimica Acta</i> , 2003 , 143, 205-215	5.8	30
86	Electrochemical determination of iodide by poly(3-aminophenylboronic acid) film electrode at moderately low pH ranges. <i>Analytica Chimica Acta</i> , 2011 , 687, 137-40	6.6	29
85	Electrosynthesis of benzoquinone from phenol on flat surfaces of PbO ₂ . <i>Electrochimica Acta</i> , 2005 , 50, 3655-3659	6.7	29
84	Voltammetric Determination of Mercury(II) at Poly(3-hexylthiophene) Film Electrode. Effect of Halide Ions. <i>Electroanalysis</i> , 2007 , 19, 2565-2570	3	28
83	Thermodynamic analysis of the interaction between 3-aminophenylboronic acid and monosaccharides for development of biosensor. <i>Sensors and Actuators B: Chemical</i> , 2009 , 140, 597-602	8.5	27
82	Surface enhanced Raman spectroscopy as a new spectral technique for quantitative detection of metal ions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013 , 116, 339-47	4.4	26
81	SERS detection of hepatitis B virus DNA in a temperature-responsive sandwich-hybridization assay. <i>Journal of Raman Spectroscopy</i> , 2017 , 48, 668-672	2.3	25
80	The coupling of immunomagnetic enrichment of bacteria with paper-based platform. <i>Talanta</i> , 2019 , 201, 245-252	6.2	25
79	A rapid method for detection of genetically modified organisms based on magnetic separation and surface-enhanced Raman scattering. <i>Analyst, The</i> , 2012 , 137, 202-8	5	22
78	Surface molecularly-imprinted magnetic nanoparticles coupled with SERS sensing platform for selective detection of malachite green. <i>Sensors and Actuators B: Chemical</i> , 2020 , 325, 128787	8.5	22
77	Alkaline phosphatase labeled SERS active sandwich immunoassay for detection of Escherichia coli. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 194, 8-13	4.4	21
76	Cholesterol-reducer, antioxidant and liver protective effects of <i>Thymbra spicata</i> L. var. <i>spicata</i> . <i>Journal of Ethnopharmacology</i> , 2009 , 126, 314-9	5	21
75	Development of rolling circle amplification based surface-enhanced Raman spectroscopy method for 35S promoter gene detection. <i>Talanta</i> , 2015 , 136, 68-74	6.2	18
74	SERS-based rapid assay for sensitive detection of Group A Streptococcus by evaluation of the swab sampling technique. <i>Analyst, The</i> , 2019 , 144, 3573-3580	5	17
73	Amperometric enzyme electrode for glucose determination based on poly(pyrrole-2-aminobenzoic acid). <i>Journal of Solid State Electrochemistry</i> , 2010 , 14, 975-980	2.6	17
72	Paper based lateral flow immunoassay for the enumeration of Escherichia coli in urine. <i>Analytical Methods</i> , 2018 , 10, 1213-1218	3.2	16
71	Assessment of laser induced breakdown spectroscopy as a tool for analysis of butter adulteration. <i>Journal of Food Composition and Analysis</i> , 2018 , 67, 48-54	4.1	16

70	Fabrication of Biosensor Based on Polyaniline/Gold Nanorod Composite. <i>International Journal of Electrochemistry</i> , 2011 , 2011, 1-7	2.4	16
69	Cathodic electrochemical deposition of Magn \square phases Ti n O 2n \square thin films at different temperatures in acetonitrile solution. <i>Electrochimica Acta</i> , 2015 , 163, 77-81	6.7	15
68	Electrochemical copper (II) sensor based on chitosan covered gold nanoparticles. <i>Journal of Applied Electrochemistry</i> , 2014 , 44, 563-571	2.6	15
67	Carbon nanotubes/alizarin red S \square poly(vinylferrocene) modified glassy carbon electrode for selective determination of dopamine in the presence of ascorbic acid. <i>Journal of Solid State Electrochemistry</i> , 2012 , 16, 457-463	2.6	15
66	Development of poly(3-aminophenylboronic acid) modified graphite rod electrode suitable for fluoride determination. <i>Talanta</i> , 2014 , 126, 202-7	6.2	14
65	Preparation, characterization and electrical properties of polyaniline nanofibers containing sulfonated cyclodextrin group. <i>Reactive and Functional Polymers</i> , 2011 , 71, 933-937	4.6	14
64	An Enzyme-free H ₂ O ₂ Sensor Based on Poly(2-Aminophenylbenzimidazole)/Gold Nanoparticles Coated Pencil Graphite Electrode. <i>Electroanalysis</i> , 2019 , 31, 75-82	3	14
63	A rapid tool for determination of titanium dioxide content in white chickpea samples. <i>Food Chemistry</i> , 2018 , 240, 84-89	8.5	13
62	Surface-enhanced Raman spectroscopy combined with gold nanorods for the simultaneous quantification of nitramine energetic materials. <i>RSC Advances</i> , 2017 , 7, 37039-37047	3.7	13
61	DETERMINATION OF CILAZAPRIL AND HYDROCHLOROTHIAZIDE IN PHARMACEUTICALS BY HIGH PERFORMANCE LIQUID CHROMATOGRAPHY. <i>Analytical Letters</i> , 2001 , 34, 1153-1161	2.2	13
60	Surface-enhanced Raman probe for rapid nanoextraction and detection of erythropoietin in urine. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 8447-8456	4.4	12
59	Amperometric glucose sensor based on the glucose oxidase enzyme immobilized on graphite rod electrode modified with Fe ₃ O ₄ -CS-Au magnetic nanoparticles. <i>Ionics</i> , 2018 , 24, 4015-4022	2.7	12
58	Multiwalled Carbon Nanotube-Chitosan Scaffold: Cytotoxic, Apoptotic, and Necrotic Effects on Chondrocyte Cell Lines. <i>Current Pharmaceutical Biotechnology</i> , 2017 , 18, 327-335	2.6	12
57	Enhanced Raman spectroscopy coupled to chemometrics for identification and quantification of acetylcholinesterase inhibitors. <i>Vibrational Spectroscopy</i> , 2016 , 87, 27-33	2.1	12
56	Fast fluorometric enumeration of E. coli using passive chip. <i>Journal of Microbiological Methods</i> , 2019 , 164, 105680	2.8	11
55	SERS-based ultrafast and sensitive detection of luteinizing hormone in human serum using a passive microchip. <i>Sensors and Actuators B: Chemical</i> , 2018 , 269, 314-321	8.5	11
54	Fabrication and characterization of poly(vinylferrocenium) perchlorate/poly(3,4-ethylenedioxythiophene) composite-coated electrode in methylene chloride. <i>Synthetic Metals</i> , 2012 , 162, 924-930	3.6	11
53	Voltammetric determination of cilazapril in pharmaceutical formulations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002 , 29, 43-50	3.5	11

52	SERS detection of polyaromatic hydrocarbons on a Cyclodextrin containing polymer brush. <i>Journal of Raman Spectroscopy</i> , 2018 , 49, 452-461	2.3	11
51	Fabrication of SERS active gold nanorods using benzalkonium chloride, and their application to an immunoassay for potato virus X. <i>Mikrochimica Acta</i> , 2017 , 184, 1059-1067	5.8	10
50	Quantification and spatial distribution of salicylic acid in film tablets using FT-Raman mapping with multivariate curve resolution. <i>Asian Journal of Pharmaceutical Sciences</i> , 2018 , 13, 155-162	9	10
49	A new plasmonic device made of gold nanoparticles and temperature responsive polymer brush on a silicon substrate. <i>Journal of Colloid and Interface Science</i> , 2015 , 448, 215-21	9.3	10
48	Branched Fibers of Conducting Polypyrrole: Synthesis and Characterization. <i>International Journal of Polymer Analysis and Characterization</i> , 2009 , 14, 259-270	1.7	10
47	Synchronous fluorescence spectroscopy for determination of tahini adulteration. <i>Talanta</i> , 2017 , 167, 557-562	6.2	9
46	Designing multilayered nanoplatfoms for SERS-based detection of genetically modified organisms. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 1	2.3	9
45	Detection and quantification of a toxic salt substitute (LiCl) by using laser induced breakdown spectroscopy (LIBS). <i>Meat Science</i> , 2018 , 135, 123-128	6.4	9
44	Electrochemical biosensor based on glucose oxidase encapsulated within enzymatically synthesized poly(1,10-phenanthroline-5,6-dione). <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 123, 685-91	6	9
43	DISPERSIVE LIQUID-LIQUID MICROEXTRACTION BASED ON SOLIDIFICATION OF FLOATING ORGANIC DROP COMBINED WITH COUNTER-ELECTROSMOTIC FLOW NORMAL STACKING MODE IN CAPILLARY ELECTROPHORESIS FOR THE DETERMINATION OF BISPHENOL A IN WATER AND URINE SAMPLES. <i>Journal of Clinical Chemistry and Laboratory Medicine</i> , 2012 , 31, 2055-2070	1.3	9
42	Paper-Based Electrochemical Biosensors for Voltammetric Detection of miRNA Biomarkers Using Reduced Graphene Oxide or MoS Nanosheets Decorated with Gold Nanoparticle Electrodes. <i>Biosensors</i> , 2021 , 11,	5.9	9
41	Replacement of antibodies with bacteriophages in lateral flow assay of Salmonella Enteritidis. <i>Biosensors and Bioelectronics</i> , 2021 , 189, 113383	11.8	9
40	Isotropic and anisotropic dipeptide films based on gas phase deposition. <i>Nanotechnology</i> , 2012 , 23, 225604	9.4	8
39	Quantification of genistein and daidzein in two endemic Genista species and their antioxidant activity. <i>Journal of the Serbian Chemical Society</i> , 2011 , 76, 35-42	0.9	8
38	Spectroscopic detection of aspartame in soft drinks by surface-enhanced Raman spectroscopy. <i>European Food Research and Technology</i> , 2015 , 240, 567-575	3.4	7
37	Synthesis of superparamagnetic and thermoresponsive hybrid nanoparticles via surface-mediated RAFT polymerization of di(ethylene glycol) ethyl ether acrylate and (oligoethylene glycol) methyl ether acrylate. <i>Journal of Polymer Science Part A</i> , 2013 , 51, 3420-3428	2.5	7
36	Determination of Enantiomers of Atenolol and Propranolol in Pharmaceutical Formulations by HPLC. <i>Journal of AOAC INTERNATIONAL</i> , 2011 , 94, 833-838	1.7	7
35	A Novel Approach for Real-Time Enumeration of Escherichia coli ATCC 47076 in Water through High Multi-Functional Engineered Nano-Dispersible Electrode. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 037514	3.9	7

34	Paper-based electrode assemble for impedimetric detection of miRNA. <i>Talanta</i> , 2021 , 225, 122043	6.2	7
33	Rapid quantification of total protein with surface-enhanced Raman spectroscopy using o-phthalaldehyde. <i>Journal of Raman Spectroscopy</i> , 2017 , 48, 653-658	2.3	6
32	Fabrication and characterization of gold-nanoparticles/chitosan film: a scaffold for L929-fibroblasts. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2013 , 41, 395-401	6.1	6
31	Nanoparticle embedded chitosan film for agglomeration free TEM images. <i>Microscopy Research and Technique</i> , 2017 , 80, 163-166	2.8	6
30	Monosodium glutamate in chicken and beef stock cubes using high-performance liquid chromatography. <i>Food Additives and Contaminants: Part B Surveillance</i> , 2015 , 8, 63-6	3.3	6
29	Multiplex enumeration of Escherichia coli and Salmonella enteritidis in a passive capillary microfluidic chip. <i>Analytical Methods</i> , 2020 , 12, 3788-3796	3.2	6
28	A capillary driven microfluidic chip for SERS based hCG detection. <i>Biosensors and Bioelectronics</i> , 2022 , 195, 113660	11.8	6
27	SERS-based assays for sensitive detection of modafinil. <i>Journal of Raman Spectroscopy</i> , 2015 , 46, 802-806.3	6.3	5
26	A Selective Film Based on Poly(3-octylthiophene) Doped with Dihydroxyanthraquinone Sulfonate. <i>Electroanalysis</i> , 2008 , 20, 1805-1810	3	5
25	Construction of a sensitive and selective plasmonic biosensor for prostate specific antigen by combining magnetic molecularly-imprinted polymer and surface-enhanced Raman spectroscopy. <i>Talanta</i> , 2022 , 237, 122926	6.2	5
24	Dual Responsive Disposable Electrode for the Enumeration of Escherichia coli in Whole Blood. <i>Electroanalysis</i> , 2020 , 32, 2244-2252	3	5
23	High-yield aqueous synthesis of multi-branched iron oxide core/gold shell nanoparticles: SERS substrate for immobilization and magnetic separation of bacteria. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	4
22	Impedimetric detection of miRNA biomarkers using paper-based electrodes modified with bulk crystals or nanosheets of molybdenum disulfide.. <i>Talanta</i> , 2022 , 241, 123233	6.2	4
21	Immunomagnetic separation and Listeriamonocytogenes detection with surface-enhanced Raman scattering. <i>Turkish Journal of Medical Sciences</i> , 2020 , 50, 1157-1167	2.7	3
20	High-Performance E. coli Antibody-Conjugated Gold Nanorods for the Selective Electrochemical Detection of Pathogens in Drinking Water. <i>Journal of Electronic Materials</i> , 2021 , 50, 7119	1.9	3
19	Surface enhanced Raman spectroscopy as a novel tool for rapid quantification of heroin and metabolites in saliva. <i>Turkish Journal of Medical Sciences</i> , 2020 , 50, 1470-1479	2.7	3
18	Use of tea fibers as a source of dietary fiber in wheat flour and bread. <i>Cereal Chemistry</i> , 2021 , 98, 1049-1058	10.58	3
17	Disposable electrochemical flow cell with paper-based electrode assemble. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 891, 115268	4.1	3

16	A Glucose Selective Non-enzymatic Potentiometric Chitosan-Goldnanoparticle Nanocomposite Sensor Based on Boronic Acid-Diol Recognition. <i>Electroanalysis</i> , 2018 , 30, 2696-2703	3	3
15	Investigation of eluted monomers from resin-based root canal sealer by high-performance liquid chromatography analysis. <i>European Journal of Dentistry</i> , 2016 , 10, 92-96	2.6	2
14	A disposable gold-cellulose nanofibril platform for SERS mapping. <i>Analytical Methods</i> , 2020 , 12, 3164-3172	3.2	2
13	Anisotropic core-shell Fe ₃ O ₄ @Au magnetic nanoparticles and the effect of the immunomagnetic separation volume on the capture efficiency. <i>Pure and Applied Chemistry</i> , 2014 , 86, 967-978	2.1	2
12	Use of Water Soluble and Phosphorescent MPA-capped CdTe Quantum Dots for the Detection of Urea. <i>Turkish Journal of Pharmaceutical Sciences</i> , 2018 , 15, 44-49	1.1	2
11	Surface-enhanced Raman scattering-based detection of plasmin activity by specific peptide substrate. <i>Food Chemistry</i> , 2022 , 372, 131235	8.5	2
10	Nanoparticle-assisted pyrrolidonyl arylamidase assay for a culture-free Group A Streptococcus pyogenes detection with image analysis. <i>Talanta</i> , 2020 , 212, 120781	6.2	0
9	Development of a nanoparticle-based gradient method for simple and fast quantification of bacteria-nanoparticle conjugates. <i>Journal of Nanoparticle Research</i> , 2020 , 22, 1	2.3	0
8	SERS Sensor Applications in Environmental Analysis and Biotechnology. <i>Nanotechnology in the Life Sciences</i> , 2021 , 197-236	1.1	0
7	A fluorescent biosensor based on quantum dot-labeled streptavidin and poly-l-lysine for the rapid detection of Salmonella in milk.. <i>Journal of Dairy Science</i> , 2022 , 105, 2895-2907	4	0
6	The role of self-learning in promotion of skills in small employee medium sized of Russian enterprises. <i>Journal of Technology and Science Education</i> , 2019 , 9, 245	1.4	
5	Zn (II) and Cu (II) Halide Complexes of Poly(propylene amine) Dendrimer Analysed by Infrared and Raman Spectroscopies. <i>International Journal of Inorganic Chemistry</i> , 2013 , 2013, 1-6		
4	Nano-sized structures for the detection of food components and contaminants. <i>Frontiers in Bioscience - Elite</i> , 2011 , 3, 1109-27	1.6	
3	Optical nanosensor based on surface-enhanced Raman spectroscopy for biomedical and biomarker detection applications 2022 , 255-276		
2	Lab on a chip: A versatile integration with spectroscopic techniques 2020 , 139-152		
1	Electroanalytical application of quantum dots in microchips 2021 , 379-393		