

Morteza Hosseini

List of Publications by Citations

Source: <https://exaly.com/author-pdf/3110120/morteza-hosseini-publications-by-citations.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

214
papers

5,010
citations

39
h-index

56
g-index

224
ext. papers

5,838
ext. citations

4.5
avg, IF

6.19
L-index

#	Paper	IF	Citations
214	FRET-based aptamer biosensor for selective and sensitive detection of aflatoxin B1 in peanut and rice. <i>Food Chemistry</i> , 2017 , 220, 527-532	8.5	155
213	Visual detection of cancer cells by colorimetric aptasensor based on aggregation of gold nanoparticles induced by DNA hybridization. <i>Analytica Chimica Acta</i> , 2016 , 904, 92-7	6.6	124
212	Fluorescence "turn-on" chemosensor for the selective detection of zinc ion based on Schiff-base derivative. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010 , 75, 978-82	4.4	104
211	A Schiff base complex of Zn(II) as a neutral carrier for highly selective PVC membrane sensors for the sulfate ion. <i>Analytical Chemistry</i> , 2001 , 73, 2869-74	7.8	103
210	Recent advances in biosensor technology in assessment of early diabetes biomarkers. <i>Biosensors and Bioelectronics</i> , 2018 , 99, 122-135	11.8	94
209	Lanthanum(III) PVC membrane electrodes based on 1,3,5-trithiacyclohexane. <i>Analytical Chemistry</i> , 2002 , 74, 5538-43	7.8	93
208	Neural stem/progenitor cell transplantation for spinal cord injury treatment; A systematic review and meta-analysis. <i>Neuroscience</i> , 2016 , 322, 377-97	3.9	92
207	Facile preparation and characterization of new green emitting carbon dots for sensitive and selective off/on detection of Fe ion and ascorbic acid in water and urine samples and intracellular imaging in living cells. <i>Talanta</i> , 2018 , 183, 122-130	6.2	82
206	A selective optode membrane for silver ion based on fluorescence quenching of the dansylamidopropyl pendant arm derivative of 1-aza-4,7,10-trithiacyclododecane ([12]aneNS3). <i>Sensors and Actuators B: Chemical</i> , 2006 , 113, 892-899	8.5	79
205	Label free colorimetric and fluorimetric direct detection of methylated DNA based on silver nanoclusters for cancer early diagnosis. <i>Biosensors and Bioelectronics</i> , 2015 , 73, 108-113	11.8	77
204	Novel fluorimetric bulk optode membrane based on a dansylamidopropyl pendant arm derivative of 1-aza-4,10-dithia-7-oxacyclododecane ([12]aneNS2O) for selective subnanomolar detection of Hg(II) ions. <i>Analytica Chimica Acta</i> , 2005 , 533, 17-24	6.6	76
203	Novel gadolinium poly(vinyl chloride) membrane sensor based on a new Schiff base. <i>Analytica Chimica Acta</i> , 2003 , 495, 51-59	6.6	71
202	A turn-on fluorescent sensor for Zn ²⁺ based on new Schiff's base derivative in aqueous media. <i>Sensors and Actuators B: Chemical</i> , 2014 , 198, 411-415	8.5	68
201	Development of a new fluorimetric bulk optode membrane based on 2,5-thiophenylbis(5-tert-butyl-1,3-benzoxazole) for nickel(II) ions. <i>Analytica Chimica Acta</i> , 2004 , 501, 55-60	6.6	63
200	Label-free fluorescent detection of microRNA-155 based on synthesis of hairpin DNA-templated copper nanoclusters by etching (top-down approach). <i>Sensors and Actuators B: Chemical</i> , 2017 , 248, 133-139	8.5	61
199	DNA methylation detection by a novel fluorimetric nanobiosensor for early cancer diagnosis. <i>Biosensors and Bioelectronics</i> , 2014 , 60, 35-44	11.8	61
198	Novel terbium(III) sensor based on a new bis-pyrrolidene Schiff base. <i>Sensors and Actuators B: Chemical</i> , 2005 , 105, 334-339	8.5	60

197	Fluorescence based turn-on strategy for determination of microRNA-155 using DNA-templated copper nanoclusters. <i>Mikrochimica Acta</i> , 2017 , 184, 2671-2677	5.8	59
196	Colorimetric aptasensor for <i>Campylobacter jejuni</i> cells by exploiting the peroxidase like activity of Au@Pd nanoparticles. <i>Mikrochimica Acta</i> , 2018 , 185, 448	5.8	59
195	Fluorescent turn on sensing of Caffeine in food sample based on sulfur-doped carbon quantum dots and optimization of process parameters through response surface methodology. <i>Sensors and Actuators B: Chemical</i> , 2018 , 273, 25-34	8.5	57
194	Novel Dy(III) Sensor Based on a New Bis-Pyrrolidene Schiff's Base. <i>Electroanalysis</i> , 2004 , 16, 1771-1776	3	57
193	PVC-BASED 1,3,5-TRITHIANE COATED GRAPHITE ELECTRODE FOR DETERMINATION OF CERIUM(III) IONS. <i>Analytical Letters</i> , 2001 , 34, 2249-2261	2.2	56
192	Aptamer-based Colorimetric and Chemiluminescence Detection of Aflatoxin B1 in Foods Samples. <i>Acta Chimica Slovenica</i> , 2015 , 62, 721-8	1.9	54
191	Enhancement of the peroxidase-like activity of cerium-doped ferrite nanoparticles for colorimetric detection of H ₂ O ₂ and glucose. <i>Analytical Methods</i> , 2017 , 9, 3519-3524	3.2	53
190	Novel Gadolinium PVC-Based Membrane Sensor Based on Omeprazole as an Antibiotic. <i>Electroanalysis</i> , 2003 , 15, 1038-1042	3	53
189	Polymeric membrane and coated graphite samarium(III)-selective electrodes based on isopropyl 2-[(isopropoxycarbothiyl)disulfanyl]ethanethioate. <i>Analytica Chimica Acta</i> , 2003 , 486, 93-99	6.6	53
188	Fluorescence turn-on sensing of thiamine based on Arginine [functionalized graphene quantum dots (Arg-GQDs): Central composite design for process optimization. <i>Sensors and Actuators B: Chemical</i> , 2018 , 255, 2078-2085	8.5	52
187	Highly selective iodide membrane electrode based on a cerium salen. <i>Analytical Sciences</i> , 2002 , 18, 289-927		51
186	PVC membrane and coated graphite potentiometric sensors based on Et ₄ todit for selective determination of samarium(III). <i>Analytical Chemistry</i> , 2003 , 75, 5680-6	7.8	50
185	A fluorometric aptamer based assay for cytochrome C using fluorescent graphitic carbon nitride nanosheets. <i>Mikrochimica Acta</i> , 2017 , 184, 2157-2163	5.8	47
184	A colorimetric paper sensor for citrate as biomarker for early stage detection of prostate cancer based on peroxidase-like activity of cysteine-capped gold nanoclusters. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019 , 210, 251-259	4.4	47
183	Rapid and sensitive detection of hydrogen peroxide in milk by Enzyme-free electrochemiluminescence sensor based on a polypyrrole-cerium oxide nanocomposite. <i>Sensors and Actuators B: Chemical</i> , 2018 , 271, 90-96	8.5	47
182	Rapid restriction enzyme free detection of DNA methyltransferase activity based on DNA-templated silver nanoclusters. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 4311-8	4.4	46
181	Selective recognition of monohydrogen phosphate by fluorescence enhancement of a new cerium complex. <i>Analytica Chimica Acta</i> , 2011 , 708, 107-10	6.6	44
180	PVC membrane potentiometric sensor based on 5-pyridino-2,8-dithia[9](2,9)-1,10-phenanthroline-phane for selective determination of neodymium(III). <i>Analytical Chemistry</i> , 2005 , 77, 276-83	7.8	44

179	Novel Fluorometric Assay for Detection of Cysteine as a Reducing Agent and Template in Formation of Copper Nanoclusters. <i>Journal of Fluorescence</i> , 2017 , 27, 529-536	2.4	43
178	DNA methyltransferase activity detection based on graphene quantum dots using fluorescence and fluorescence anisotropy. <i>Sensors and Actuators B: Chemical</i> , 2017 , 241, 217-223	8.5	42
177	A novel dichromate-sensitive fluorescent nano-chemosensor using new functionalized SBA-15. <i>Analytica Chimica Acta</i> , 2012 , 715, 80-5	6.6	41
176	Paper based colorimetric detection of miRNA-21 using Ag/Pt nanoclusters. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 227, 117529	4.4	41
175	A novel solid-state electrochemiluminescence sensor for detection of cytochrome c based on ceria nanoparticles decorated with reduced graphene oxide nanocomposite. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 7193-202	4.4	39
174	Highly sensitive label-free electrochemiluminescence aptasensor for early detection of myoglobin, a biomarker for myocardial infarction. <i>Mikrochimica Acta</i> , 2017 , 184, 3529-3537	5.8	39
173	A facile one-pot synthesis of cobalt-doped magnetite/graphene nanocomposite as peroxidase mimetics in dopamine detection. <i>New Journal of Chemistry</i> , 2017 , 41, 12678-12684	3.6	38
172	Novel coated-graphite membrane sensor based on N,N'-dimethylcyanodiaz-18-crown-6 for the determination of ultra-trace amounts of lead. <i>Analytica Chimica Acta</i> , 2002 , 464, 181-186	6.6	36
171	Synthesis of highly intercalated urea-clay nanocomposite via domestic montmorillonite as eco-friendly slow-release fertilizer. <i>Archives of Agronomy and Soil Science</i> , 2017 , 63, 84-95	2	35
170	Fluorometric determination of microRNA via FRET between silver nanoclusters and CdTe quantum dots. <i>Mikrochimica Acta</i> , 2017 , 184, 4713-4721	5.8	35
169	Naked-eye detection of potassium ions in a novel gold nanoparticle aggregation-based aptasensor. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 195, 75-83	4.4	35
168	Early detection of cell apoptosis by a cytochrome C label-free electrochemiluminescence aptasensor. <i>Sensors and Actuators B: Chemical</i> , 2018 , 257, 87-95	8.5	35
167	Selective recognition histidine and tryptophan by enhanced chemiluminescence ZnSe quantum dots. <i>Sensors and Actuators B: Chemical</i> , 2015 , 210, 349-354	8.5	35
166	A new Tb ³⁺ -selective fluorescent sensor based on 2-(5-(dimethylamino)naphthalen-1-ylsulfonyl)-N-henylhydrazinecarbothioamide. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009 , 74, 575-8	4.4	35
165	Aptamer-based colorimetric determination of Pb ²⁺ using a paper-based microfluidic platform. <i>Analytical Methods</i> , 2018 , 10, 4438-4444	3.2	35
164	A novel BRCA1 gene deletion detection in human breast carcinoma MCF-7 cells through FRET between quantum dots and silver nanoclusters. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018 , 152, 81-88	3.5	34
163	Oxidase-like Catalytic activity of Cys-AuNCs upon visible light irradiation and its application for visual miRNA detection. <i>Sensors and Actuators B: Chemical</i> , 2018 , 273, 1618-1626	8.5	34
162	Determination of zinc(II) ions in waste water samples by a novel zinc sensor based on a new synthesized Schiff's base. <i>Materials Science and Engineering C</i> , 2011 , 31, 428-433	8.3	34

161	A selective membrane electrode for iodide ion based on a thiopyrilium ion derivative as a new ionophore. <i>Microchemical Journal</i> , 2002 , 72, 77-83	4.8	34
160	Colorimetric and energy transfer based fluorometric turn-on method for determination of microRNA using silver nanoclusters and gold nanoparticles. <i>Mikrochimica Acta</i> , 2018 , 185, 286	5.8	33
159	A novel permanganate-sensitive fluorescent nano-chemosensor assembled with a new 8-hydroxyquinoline-functionalized SBA-15. <i>Talanta</i> , 2012 , 88, 684-8	6.2	33
158	Novel erbium (III)-selective fluorimetric bulk optode. <i>Sensors and Actuators B: Chemical</i> , 2009 , 142, 90-96	8.5	32
157	Whole cell FRET immunosensor based on graphene oxide and graphene dot for <i>Campylobacter jejuni</i> detection. <i>Food Chemistry</i> , 2020 , 309, 125690	2.2	31
156	A graphitic carbon nitride (g-C ₃ N ₄ /Fe ₃ O ₄) nanocomposite: an efficient electrode material for the electrochemical determination of tramadol in human biological fluids. <i>Analytical Methods</i> , 2019 , 11, 2064-2071	3.2	31
155	Sensitive recognition of ethion in food samples using turn-on fluorescence N and S co-doped graphene quantum dots. <i>Analytical Methods</i> , 2018 , 10, 1760-1766	2.4	31
154	A Novel Label-Free microRNA-155 Detection on the Basis of Fluorescent Silver Nanoclusters. <i>Journal of Fluorescence</i> , 2015 , 25, 925-9	3	31
153	Nickel Ion-Selective Coated Graphite PVC-Membrane Electrode Based on Benzylbis(thiosemicarbazone). <i>Electroanalysis</i> , 2002 , 14, 526-531	2.5	31
152	A fluorescent aptasensor for sensitive analysis oxytetracycline based on silver nanoclusters. <i>Luminescence</i> , 2016 , 31, 1339-1343	3.1	30
151	A new fluorescence turn-on nanobiosensor for the detection of micro-RNA-21 based on a DNA-gold nanocluster. <i>Methods and Applications in Fluorescence</i> , 2017 , 5, 015005	5.5	30
150	Standardized percentile curves of body mass index of Iranian children compared to the US population reference. <i>International Journal of Obesity</i> , 1999 , 23, 783-6	4.4	28
149	Detection of hydrogen peroxide and glucose by using Tb(MoO) nanoplates as peroxidase mimics. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017 , 186, 82-88	6.6	28
148	Determination of terbium in phosphate rock by Tb ³⁺ -selective fluorimetric optode based on dansyl derivative as a neutral fluorogenic ionophore. <i>Analytica Chimica Acta</i> , 2010 , 664, 172-7	4.4	28
147	A colorimetric assay of DNA methyltransferase activity based on peroxidase mimicking of DNA template Ag/Pt bimetallic nanoclusters. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 4943-4952	3.2	27
146	A sensitive colorimetric aptasensor with a triple-helix molecular switch based on peroxidase-like activity of a DNAzyme for ATP detection. <i>Analytical Methods</i> , 2017 , 9, 4726-4731	2.4	26
145	A Novel Cobalt-Sensitive Fluorescent Chemosensor Based on Ligand Capped CdS Quantum Dots. <i>Journal of Fluorescence</i> , 2015 , 25, 613-9	2.4	26
144	Pyrophosphate selective recognition in aqueous solution based on fluorescence enhancement of a new aluminium complex. <i>Journal of Fluorescence</i> , 2011 , 21, 1509-13		

143	Enhanced electrochemiluminescence of luminol by an in situ silver nanoparticle-decorated graphene dot for glucose analysis. <i>Analytical Methods</i> , 2018 , 10, 508-514	3.2	25
142	Highly Selective Ratiometric Fluorescent Sensor for La(III) Ion Based on a New Schiff's Base. <i>Analytical Letters</i> , 2009 , 42, 1029-1040	2.2	24
141	Enhanced peroxidase-like activity of platinum nanoparticles decorated on nickel- and nitrogen-doped graphene nanotubes: colorimetric detection of glucose. <i>Mikrochimica Acta</i> , 2019 , 186, 385	5.8	23
140	Enhanced solid-state electrochemiluminescence of Ru(bpy) ₃ ²⁺ with nano-CeO ₂ modified carbon paste electrode and its application in tramadol determination. <i>Analytical Methods</i> , 2015 , 7, 1936-1942	3.2	23
139	A selective fluorescent bulk sensor for lutetium based on hexagonal mesoporous structures. <i>Sensors and Actuators B: Chemical</i> , 2013 , 184, 93-99	8.5	23
138	FRET- based immunoassay using CdTe and AuNPs for the detection of OmpW antigen of <i>Vibrio cholerae</i> . <i>Journal of Luminescence</i> , 2017 , 192, 932-939	3.8	23
137	Pediatric Emergency Care Applied Research Network (PECARN) prediction rules in identifying high risk children with mild traumatic brain injury. <i>European Journal of Trauma and Emergency Surgery</i> , 2017 , 43, 755-762	2.3	22
136	An enhanced electrochemiluminescence sensor modified with a Ru(bpy)/YbO nanoparticle/nafion composite for the analysis of methadone samples. <i>Materials Science and Engineering C</i> , 2017 , 76, 483-489	8.3	22
135	Selective recognition of Ni ²⁺ ion based on fluorescence enhancement chemosensor. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 140, 283-7	4.4	22
134	Novel selective optode membrane for terbium ion based on fluorescence quenching of the 2-(5-(dimethylamino) naphthalen-1-ylsulfonyl)-N-henylhydrazinecarbothioamid. <i>Sensors and Actuators B: Chemical</i> , 2010 , 147, 23-30	8.5	22
133	Ho ³⁺ carbon paste sensor based on multi-walled carbon nanotubes: Applied for determination of holmium content in biological and environmental samples. <i>Materials Science and Engineering C</i> , 2010 , 30, 555-560	8.3	22
132	Visual detection of miRNA using peroxidase-like catalytic activity of DNA-CuNCs and methylene blue as indicator. <i>Clinica Chimica Acta</i> , 2018 , 483, 119-125	6.2	21
131	Selective recognition of Glutamate based on fluorescence enhancement of graphene quantum dot. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 136 Pt C, 1962-6	4.4	20
130	Enhanced chemiluminescence CdSe quantum dots by histidine and tryptophan. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 132, 629-33	4.4	20
129	Fabrication and Verification of Conjugated AuNP-Antibody Nanoprobe for Sensitivity Improvement in Electrochemical Biosensors. <i>Scientific Reports</i> , 2017 , 7, 16070	4.9	20
128	Determination of Hg(II) ions in water samples by a novel Hg(II) sensor, based on calix[4]arene derivative. <i>International Journal of Environmental Analytical Chemistry</i> , 2009 , 89, 407-422	1.8	20
127	Novel colorimetric sensor based on peroxidase-like activity of chitosan-stabilized Au/Pt nanoclusters for trace lead. <i>Analytical Methods</i> , 2019 , 11, 684-690	3.2	19
126	A new colorimetric assay for amylase based on starch-supported Cu/Au nanocluster peroxidase-like activity. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 3621-3629	4.4	19

125	A novel solid-state electrochemiluminescence sensor based on a Ru(bpy) ₃ ²⁺ /nano Sm ₂ O ₃ modified carbon paste electrode for the determination of L-proline. <i>RSC Advances</i> , 2015 , 5, 64669-64674	3.7	18
124	A novel europium-sensitive fluorescent nano-chemosensor based on new functionalized magnetic core-shell Fe ₃ O ₄ @SiO ₂ nanoparticles. <i>Talanta</i> , 2013 , 115, 271-6	6.2	18
123	Highly selective ratiometric fluorescence determination of Eu ³⁺ ion based on (4E)-4-(2-phenyldiazenyl)-2-((E)-(2-aminoethylimino)methyl)phenol. <i>Materials Science and Engineering C</i> , 2010 , 30, 929-933	8.3	18
122	Fluorescent Turn-on Aptasensor of Staphylococcus aureus Based on the FRET Between Green Carbon Quantum Dot and Gold Nanoparticle. <i>Food Analytical Methods</i> , 2020 , 13, 2070-2079	3.4	18
121	A Nanobiosensor Based on Fluorescent DNA-Hosted Silver Nanocluster and HCR Amplification for Detection of MicroRNA Involved in Progression of Multiple Sclerosis. <i>Journal of Fluorescence</i> , 2017 , 27, 1679-1685	2.4	17
120	Sequence variation in mitochondrial cox1 and nad1 genes of ascaridoid nematodes in cats and dogs from Iran. <i>Journal of Helminthology</i> , 2015 , 89, 496-501	1.6	17
119	Detection of large deletion in human BRCA1 gene in human breast carcinoma MCF-7 cells by using DNA-Silver Nanoclusters. <i>Methods and Applications in Fluorescence</i> , 2017 , 6, 015001	3.1	17
118	Rapid pre-symptomatic recognition of tristetra viral RNA by a novel fluorescent self-dimerized DNA-silver nanocluster probe. <i>RSC Advances</i> , 2016 , 6, 99437-99443	3.7	17
117	Lanthanide recognition: A dysprosium(III) selective fluorimetric bulk optode. <i>Sensors and Actuators B: Chemical</i> , 2012 , 171-172, 644-651	8.5	17
116	Selective recognition of acetate ion based on fluorescence enhancement chemosensor. <i>Luminescence</i> , 2012 , 27, 341-5	2.5	17
115	The relation of body mass index and blood pressure in Iranian children and adolescents aged 7-18 years old. <i>Iranian Journal of Public Health</i> , 2010 , 39, 126-34	0.7	17
114	Fast and selective whole cell detection of Staphylococcus aureus bacteria in food samples by paper based colorimetric nanobiosensor using peroxidase-like catalytic activity of DNA-Au/Pt bimetallic nanoclusters. <i>Microchemical Journal</i> , 2020 , 159, 105475	4.8	17
113	A new electrochemiluminescence biosensor for the detection of glucose based on polypyrrole/polyluminol/Ni(OH) ₂ /Ni ₃ N ₄ /glucose oxidase-modified graphite electrode. <i>Analytical Methods</i> , 2018 , 10, 5723-5730	3.2	17
112	Copper nanocluster-enhanced luminol chemiluminescence for high-selectivity sensing of tryptophan and phenylalanine. <i>Luminescence</i> , 2017 , 32, 1045-1050	2.5	16
111	The effects of smoking on treatment outcome in patients newly diagnosed with pulmonary tuberculosis. <i>International Journal of Tuberculosis and Lung Disease</i> , 2017 , 21, 351-356	2.1	16
110	Metal-Chelate Immobilization of Lipase onto Polyethylenimine Coated MCM-41 for Apple Flavor Synthesis. <i>Applied Biochemistry and Biotechnology</i> , 2017 , 182, 1371-1389	3.2	16
109	Fluorescence enhancement of silver nanocluster at intrastrand of a 12C-loop in presence of methylated region of sept 9 promoter. <i>Analytica Chimica Acta</i> , 2018 , 1038, 157-165	6.6	16
108	Growth of children in Iran. <i>Annals of Human Biology</i> , 1998 , 25, 249-61	1.7	16

107	A fluorometric study on the effect of DNA methylation on DNA interaction with graphene quantum dots. <i>Methods and Applications in Fluorescence</i> , 2019 , 7, 025001	3.1	16
106	Improvement of versatile peroxidase activity and stability by a cholinium-based ionic liquid. <i>Journal of Molecular Liquids</i> , 2018 , 272, 597-608	6	16
105	Disulfide-induced self-assembled targets: A novel strategy for the label free colorimetric detection of DNAs/RNAs via unmodified gold nanoparticles. <i>Scientific Reports</i> , 2017 , 7, 45837	4.9	15
104	An Electrochemical Biosensor Based on AuNP-Modified Gold Electrodes for Selective Determination of Serum Levels of Osteocalcin. <i>IEEE Sensors Journal</i> , 2017 , 17, 3367-3374	4	15
103	An enhancement of luminol chemiluminescence by cobalt hydroxide decorated porous graphene and its application in glucose analysis. <i>Analytical Methods</i> , 2019 , 11, 1346-1352	3.2	15
102	Selective recognition of dysprosium(III) ions by enhanced chemiluminescence CdSe quantum dots. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 121, 116-20	4.4	15
101	Determination of zinc in water samples by flame atomic absorption spectrometry after homogeneous liquid-liquid extraction. <i>Journal of Analytical Chemistry</i> , 2011 , 66, 612-617	1.1	15
100	Detection of p53 Gene Mutation (Single-Base Mismatch) Using a Fluorescent Silver Nanoclusters. <i>Journal of Fluorescence</i> , 2017 , 27, 1443-1448	2.4	14
99	Fast Removal of Methylene Blue from Aqueous Solution Using Magnetic-Modified Fe ₃ O ₄ Nanoparticles. <i>Journal of Environmental Engineering, ASCE</i> , 2015 , 141, 04014049	2	14
98	The number of k-mer matches between two DNA sequences as a function of k and applications to estimate phylogenetic distances. <i>PLoS ONE</i> , 2020 , 15, e0228070	3.7	14
97	A highly selective fluorescent probe for pyrophosphate detection in aqueous solutions. <i>Luminescence</i> , 2012 , 27, 20-3	2.5	14
96	Fluorescence "Turn-On" chemosensor for the selective detection of beryllium. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011 , 83, 161-4	4.4	14
95	A novel ratiometric fluorescent Yb ³⁺ sensor based on a N ² -(1-oxoaceneaphthylen-2(1H)-ylidene)furan-2-carbohydrazide as a suitable fluorophore. <i>Materials Science and Engineering C</i> , 2010 , 30, 348-351	8.3	14
94	Growth charts for Iran. <i>Annals of Human Biology</i> , 1998 , 25, 237-47	1.7	14
93	One-pot biosynthesis of CdS quantum dots through in vitro regeneration of hairy roots of <i>Rhaphanus sativus</i> L. And their apoptosis effect on MCF-7 and AGS cancerous human cell lines. <i>Materials Research Express</i> , 2020 , 7, 015056	1.7	14
92	A New Eye Dual-readout Method for MiRNA Detection based on Dissolution of Gold nanoparticles via LSPR by CdTe QDs Photoinduction. <i>Scientific Reports</i> , 2019 , 9, 5453	4.9	13
91	Sensitive detection of methylated DNA and methyltransferase activity based on the lighting up of FAM-labeled DNA quenched fluorescence by gold nanoparticles.. <i>RSC Advances</i> , 2019 , 9, 12063-12069	3.7	13
90	A novel Lu ³⁺ fluorescent nano-chemosensor using new functionalized mesoporous structures. <i>Analytica Chimica Acta</i> , 2013 , 771, 95-101	6.6	13

89	PVC Membrane and Coated Graphite Potentiometric Sensors Based on Dibenzo-21-Crown-7 for Selective Determination of Rubidium Ions. <i>Analytical Letters</i> , 2005 , 38, 573-588	2.2	13
88	Selective Recognition of Mercury in Waste Water Based on Fluorescence Enhancement Chemosensor. <i>Sensor Letters</i> , 2010 , 8, 807-812	0.9	13
87	Paper-based chemiluminescence and colorimetric detection of cytochrome c by cobalt hydroxide decorated mesoporous carbon. <i>Microchemical Journal</i> , 2020 , 157, 104991	4.8	12
86	Blood pressure percentiles by age and height for children and adolescents in Tehran, Iran. <i>Journal of Human Hypertension</i> , 2016 , 30, 268-77	2.6	12
85	An approach toward miRNA detection different thermo-responsive aggregation/disaggregation of CdTe quantum dots.. <i>RSC Advances</i> , 2018 , 8, 30148-30154	3.7	12
84	An Apta-Biosensor for Colon Cancer Diagnostics. <i>Sensors</i> , 2015 , 15, 22291-303	3.8	12
83	Body mass index reference curves for Iran. <i>Annals of Human Biology</i> , 1999 , 26, 527-35	1.7	12
82	Speciation of Chromium in Water Samples with Homogeneous Liquid-Liquid Extraction and Determination by Flame Atomic Absorption Spectrometry. <i>Bulletin of the Korean Chemical Society</i> , 2010 , 31, 2813-2818	1.2	12
81	Fluorescence immunoassay based on nitrogen doped carbon dots for the detection of human nuclear matrix protein NMP22 as biomarker for early stage diagnosis of bladder cancer. <i>Microchemical Journal</i> , 2020 , 157, 104966	4.8	12
80	A fluorescence-readout method for miRNA-155 detection with double-hairpin molecular beacon based on quadruplex DNA structure. <i>Microchemical Journal</i> , 2020 , 158, 105277	4.8	12
79	A biophysical study on the mechanism of interactions of DOX or PTX with β -actalbumin as a delivery carrier. <i>Scientific Reports</i> , 2018 , 8, 17345	4.9	12
78	Selective recognition of Pr ³⁺ based on fluorescence enhancement sensor. <i>Materials Science and Engineering C</i> , 2013 , 33, 4140-3	8.3	11
77	Virus-directed synthesis of emitting copper nanoclusters as an approach to simple tracer preparation for the detection of Citrus Tristeza Virus through the fluorescence anisotropy immunoassay. <i>Sensors and Actuators B: Chemical</i> , 2020 , 321, 128634	8.5	11
76	Sensitive Determination of Acyclovir in Biological and Pharmaceutical Samples Based on Polymeric Film Decorated with Nanomaterials on Nanoporous Glassy Carbon Electrode. <i>Journal of the Electrochemical Society</i> , 2018 , 165, B632-B637	3.9	11
75	Turn-on fluorescent chemosensor for determination of lutetium ion. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 137, 1231-4	4.4	10
74	The comparison of serum vaspin and visfatin concentrations in obese and normal weight women. <i>Diabetes and Metabolic Syndrome: Clinical Research and Reviews</i> , 2015 , 9, 320-3	8.9	10
73	An Ultrasensitive ECL Sensor Based on Conducting Polymer/Electrochemically Reduced Graphene Oxide for Non-Enzymatic Detection in Biological Samples. <i>ChemistrySelect</i> , 2020 , 5, 5330-5336	1.8	10
72	New Colorimetric DNA Sensor for Detection of Campylobacter jejuni in Milk Sample Based on Peroxidase-Like Activity of Gold/Platinum Nanocluster. <i>ChemistrySelect</i> , 2019 , 4, 11687-11692	1.8	10

71	A Multiplexed Microfluidic Platform for Bone Marker Measurement: A Proof-of-Concept. <i>Micromachines</i> , 2017 , 8, 133	3.3	10
70	Synthesis and Assessment of DNA/Silver Nanoclusters Probes for Optimal and Selective Detection of Tristeza Virus Mild Strains. <i>Journal of Fluorescence</i> , 2016 , 26, 1795-803	2.4	10
69	Sensitive Nonenzymatic Electrochemiluminescence Determination of Hydrogen Peroxide in Dental Products using a Polypyrrole/Polyluminol/Titanium Dioxide Nanocomposite. <i>Analytical Letters</i> , 2019 , 52, 633-648	2.2	9
68	Rapid prototyping of microfluidic chips using laser-cut double-sided tape for electrochemical biosensors. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2017 , 39, 1469-1477	2	9
67	A study of quenching and enhancing effects of some amino acids on peroxyoxalate chemiluminescence of rhodamine 6G. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009 , 72, 484-9	4.4	9
66	Sensitive colorimetric aptasensor based on g-CN@CuO composites for detection of Salmonella typhimurium in food and water. <i>Mikrochimica Acta</i> , 2021 , 188, 87	5.8	9
65	Ratiometric fluorescence biosensor based on DNA/miRNA duplex@CdTe QDs and oxidized luminol as a fluorophore for miRNA detection. <i>Journal of Luminescence</i> , 2018 , 204, 16-23	3.8	8
64	Sensitive determination of carbidopa through the electrochemiluminescence of luminol at graphene-modified electrodes. <i>Luminescence</i> , 2015 , 30, 376-81	2.5	8
63	Trends in weights, heights, BMI and comparison of their differences in urban and rural areas for Iranian children and adolescents 2-18-year-old between 1990-1991 and 1999. <i>Child: Care, Health and Development</i> , 2010 , 36, 858-67	2.8	8
62	Enhanced electrochemiluminescence of Ru(bpy) ₃ ²⁺ by Sm ₂ O ₃ nanoparticles decorated graphitic carbon nitride nano-sheets for pyridoxine analysis. <i>Inorganic Chemistry Communication</i> , 2019 , 106, 240-247	2.1	7
61	A sensitive signal-on electrochemiluminescence sensor based on a nanocomposite of polypyrrole-GdO for the determination of L-cysteine in biological fluids. <i>Mikrochimica Acta</i> , 2020 , 187, 398	5.8	7
60	Holmium(III)-selective fluorimetric optode based on N,N-bis(salicylidene)-naphthylene-1,8-diamine as a neutral fluorogenic ionophore. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 121, 224-9	4.4	7
59	Synthesis of Fluorescent Cysteine-gold Nano-clusters (Cys-Au-NCs) and their Application as Nano-biosensors for the Determination of Cysteine. <i>Current Nanoscience</i> , 2017 , 13,	1.4	7
58	Spectroscopic Study of CpG Alternating DNA-Methylene Blue Interaction for Methylation Detection. <i>Journal of Fluorescence</i> , 2016 , 26, 1123-9	2.4	7
57	A unique FRET approach toward detection of single-base mismatch DNA in BRCA1 gene. <i>Materials Science and Engineering C</i> , 2019 , 97, 406-411	8.3	7
56	A novel dual-mode and label-free aptasensor based methodology for breast cancer tissue marker targeting. <i>Sensors and Actuators B: Chemical</i> , 2020 , 315, 128084	8.5	7
55	A label-free luminescent light switching system for miRNA detection based on two color quantum dots. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020 , 391, 112351	4.7	6
54	The fast peroxyoxalate-chemiluminescence of 3-1-aza-4,10-dithia-7-oxacyclododecane as a novel fluorophore. <i>Journal of Luminescence</i> , 2012 , 132, 2126-2129	3.8	6

53	Cigarette smoking in patients newly diagnosed with pulmonary tuberculosis in Iran. <i>International Journal of Tuberculosis and Lung Disease</i> , 2016 , 20, 679-84	2.1	6
52	Sensitive detection of S. Aureus using aptamer- and vancomycin -copper nanoclusters as dual recognition strategy. <i>Food Chemistry</i> , 2021 , 361, 130137	8.5	6
51	Application of intercalating molecules in detection of methylated DNA in the presence of silver ions. <i>Methods and Applications in Fluorescence</i> , 2019 , 7, 035005	3.1	5
50	Cerium functionalized graphene nano-structures and their applications; A review.. <i>Environmental Research</i> , 2022 , 208, 112685	7.9	5
49	Efficient removal of Malachite Green from aqueous solution by adsorption on carbon nanotubes modified with ZnFe2O4 nanoparticles. <i>Journal of the Serbian Chemical Society</i> , 2019 , 84, 701-712	0.9	5
48	A highly sensitive fluorescent immunosensor for sensitive detection of nuclear matrix protein 22 as biomarker for early stage diagnosis of bladder cancer.. <i>RSC Advances</i> , 2020 , 10, 28865-28871	3.7	5
47	Colorimetric biosensor for phenylalanine detection based on a paper using gold nanoparticles for phenylketonuria diagnosis. <i>Microchemical Journal</i> , 2021 , 163, 105909	4.8	5
46	Study on the Interaction of the CpG Alternating DNA with CdTe Quantum Dots. <i>Journal of Fluorescence</i> , 2017 , 27, 2059-2068	2.4	4
45	Recent advances in optical biosensors for specific detection of E. coli bacteria in food and water. <i>Food Control</i> , 2022 , 135, 108822	6.2	4
44	Improved Performance for Acyclovir Sensing in the Presence of Deep Eutectic Solvent and Nanostructures and Polymer. <i>IEEE Sensors Journal</i> , 2020 , 20, 623-630	4	4
43	Lanthanide materials as chemosensors 2018 , 411-454		4
42	Evaluation of Versatile Peroxidase Activity and Conformation in the Presence of a Hydrated Urea Based Deep Eutectic Solvent. <i>Journal of Solution Chemistry</i> , 2019 , 48, 689-701	1.8	3
41	A selective colorimetric and fluorescence chemosensing sensor for Cr ³⁺ based on a rhodamine base derivative. <i>Research on Chemical Intermediates</i> , 2018 , 44, 5031-5042	2.8	3
40	DNA-Templated Silver Nanoclusters for DNA Methylation Detection. <i>Methods in Molecular Biology</i> , 2018 , 1811, 173-182	1.4	3
39	Weight-for-height of children in Iran. <i>Annals of Human Biology</i> , 1999 , 26, 537-47	1.7	3
38	A Colorimetric Sensor for Dopamine Detection Based on Peroxidase-like Activity of Ce ₂ (MoO ₄) ₃ Nanoplates. <i>Current Pharmaceutical Analysis</i> , 2019 , 15, 224-230	0.6	3
37	New insight into G-quadruplexes; diagnosis application in cancer. <i>Analytical Biochemistry</i> , 2021 , 620, 114149	3.49	3
36	10th Royan Institute's International Summer School on "Molecular Biomedicine: From Diagnostics to Therapeutics". <i>BioEssays</i> , 2020 , 42, e2000042	4.1	3

35	Fluorimetric detection of methylated DNA of Sept9 promoter by silver nanoclusters at intrastrand 6C-loop. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 247, 119081	4.4	3
34	A fluorescence nanobiosensor for detection of <i>Campylobacter jejuni</i> DNA in milk based on Au/Ag bimetallic nanoclusters. <i>Journal of Food Measurement and Characterization</i> , 2019 , 13, 1797-1804	2.8	2
33	Electrochemical Sensor Based on Carbon Nanotubes Decorated with ZnFe ₂ O ₄ Nanoparticles Incorporated Carbon Paste Electrode for Determination of Metoclopramide and Indomethacin. <i>ChemistrySelect</i> , 2019 , 4, 7616-7626	1.8	2
32	Synthesis of Magnetic Silk Nanostructures with Peroxidase-Like Activity as an Approach for the Detection of Glucose. <i>ChemistrySelect</i> , 2020 , 5, 8093-8098	1.8	2
31	Discrimination of methylated and nonmethylated region of a colorectal cancer related promoter using fluorescence enhancement of gold nanocluster at intrastrand of a 9C-loop. <i>Methods and Applications in Fluorescence</i> , 2018 , 6, 045009	3.1	2
30	Enzyme Free Electrochemiluminescence Sensor of Histamine Based on Graphite-carbon Nitride Nanosheets. <i>Electroanalysis</i> ,	3	2
29	A ratiometric fluorescence and colorimetric dual-mode assay for miRNA-155 based on Ce-decorated boron nitride nanosheets. <i>Microchemical Journal</i> , 2021 , 168, 106346	4.8	2
28	Carbon nanomaterials-based sensors for biomedical applications 2022 , 59-75		2
27	Assessing the Effectiveness AND Cost-Effectiveness of Audit and Feedback on Physician's Prescribing Indicators. <i>Value in Health</i> , 2014 , 17, A797	3.3	1
26	Highly Selective and Sensitive Tin(II) Membrane Electrode Based on a New Synthesized Schiff's Base. <i>Electroanalysis</i> , 2009 , 21, NA-NA	3	1
25	Smash++: an alignment-free and memory-efficient tool to find genomic rearrangements		1
24	Green Synthesis of Carbon Quantum Dots Doped on Nickel Oxide Nanoparticles as Recyclable Visible Light Photocatalysts for Enhanced Degradation of Malachite Green. <i>ChemistrySelect</i> , 2021 , 6, 5034-5042	1.8	1
23	Graphene-based devices for cancer diagnosis 2022 , 225-243		1
22	Smart fluorescence aptasensor using nanofiber functionalized with carbon quantum dot for specific detection of pathogenic bacteria in the wound.. <i>Talanta</i> , 2022 , 246, 123454	6.2	1
21	Carbon nanomaterial-based sensors for wearable health and environmental monitoring 2022 , 247-258		1
20	Development of sandwich electrochemiluminescence immunosensor for COVID-19 diagnosis by SARS-CoV-2 Spike protein detection based on Au@BSA-Luminol nanocomposites. <i>Bioelectrochemistry</i> , 2022 , 108161	5.6	1
19	Turn -on FRET-based cysteine sensor by sulfur-doped carbon dots and Au nanoparticles decorated WS nanosheet.. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022 , 272, 120903	4.4	0
18	A fluorescent aptasensor based on copper nanoclusters for optical detection of CD44 exon v10, an important isoform in metastatic breast cancer. <i>Analytical Methods</i> , 2021 , 13, 3837-3844	3.2	0

- 17 Colorimetric technique-based biosensors for early detection of cancer **2022**, 153-163 ○
- 16 The synthesis of Pt doped WO nanosheets and application on colorimetric detection of cysteine by naked eye using response surface methodology for optimization.. *Environmental Research*, **2022**, 113246^{7,9} ○
- 15 Fluorescence turn-on detection of miRNA-155 based on hybrid Ce-MOF/ PtNPs /graphene oxide serving as fluorescence quencher. *Journal of Photochemistry and Photobiology A: Chemistry*, **2022**, 429, 113943 4.7 ○
- 14 Application of Graphene Materials in Molecular Diagnostics **2019**, 535-560
- 13 1425 The Relationship of Objective Measure of Sleep Pattern and its Association with Obesity in Primary School Children in Tehran City. *Archives of Disease in Childhood*, **2012**, 97, A405-A406 2.2
- 12 1072 The Objective Measure of Sleep Pattern and Its Association with Body Weight Status in Primary School Children Living in Tehran. *Pediatric Research*, **2010**, 68, 532-532 3.2
- 11 1073 Objective Measure of Physical Activity and Time Spent in Watching Tv in Relation to Weight Status in Primary School Children. *Pediatric Research*, **2010**, 68, 533-533 3.2
- 10 Early detection of lung cancer biomarkers through biosensor **2022**, 85-96
- 9 Novel paper-based diagnostic devices for early detection of cancer **2022**, 285-301
- 8 Nanotechnology in Food Security and Quality **2022**, 129-138
- 7 Paper-Based Devices for the Detection of Food-Related Analyte **2022**, 89-108
- 6 Optical Detection of Targets for Food Quality Assessment **2022**, 109-128
- 5 Microfluidic systems with amperometric and voltammetric detection and paper-based sensors and biosensors **2022**, 275-287
- 4 Chemiluminescence Sensors in Bioanalysis **2022**,
- 3 Biomarker sensing using luminescent metal nanoclusters **2022**, 435-464
- 2 Nanoengineered Aptamer Assisted Strategies for the Detection of Foodborne Pathogens **2022**, 47-68
- 1 Environmental applications of luminescent metal nanoclusters **2022**, 465-491