Morteza Hosseini

List of Publications by Year
in descending order

93 papers	3,582 citations	94269 37 h-index	143772 57 g-index
95 all docs	95 docs citations	95 times ranked	3215 citing authors

#	Article	IF	Citations
1	Genome and Methylome analysis of a phylogenetic novel Campylobacter coli cluster with C. jejuni introgression. Microbial Genomics, 2021, 7, .	1.0	0
2	Smash++: an alignment-free and memory-efficient tool to find genomic rearrangements. GigaScience, 2020, 9, .	3.3	13
3	The number of k-mer matches between two DNA sequences as a function of k and applications to estimate phylogenetic distances. PLoS ONE, 2020, 15, e0228070.	1.1	30
4	GeCo2: An Optimized Tool for Lossless Compression and Analysis of DNA Sequences. Advances in Intelligent Systems and Computing, 2020, , 137-145.	0.5	7
5	Visualization of Similar Primer and Adapter Sequences in Assembled Archaeal Genomes. Advances in Intelligent Systems and Computing, 2020, , 129-136.	0.5	0
6	Title is missing!. , 2020, 15, e0228070.		0
7	Title is missing!. , 2020, 15, e0228070.		0
8	Title is missing!. , 2020, 15, e0228070.		0
9	Cryfa: a secure encryption tool for genomic data. Bioinformatics, 2019, 35, 146-148.	1.8	19
10	Compression of Amino Acid Sequences. Advances in Intelligent Systems and Computing, 2019, , 105-113.	0.5	0
11	AC: A Compression Tool for Amino Acid Sequences. Interdisciplinary Sciences, Computational Life Sciences, 2019, 11, 68-76.	2.2	10
12	A Probabilistic Method to Find and Visualize Distinct Regions in Protein Sequences. , 2019, , .		0
13	A Reference-Free Lossless Compression Algorithm for DNA Sequences Using a Competitive Prediction of Two Classes of Weighted Models. Entropy, 2019, 21, 1074.	1.1	12
14	Metagenomic Composition Analysis of an Ancient Sequenced Polar Bear Jawbone from Svalbard. Genes, 2018, 9, 445.	1.0	13
15	Copper nanocluster†enhanced luminol chemiluminescence for high†selectivity sensing of tryptophan and phenylalanine. Luminescence, 2017, 32, 1045-1050.	1.5	22
16	A fluorometric aptamer based assay for cytochrome C using fluorescent graphitic carbon nitride nanosheets. Mikrochimica Acta, 2017, 184, 2157-2163.	2.5	60
17	Disulfide-induced self-assembled targets: A novel strategy for the label free colorimetric detection of DNAs/RNAs via unmodified gold nanoparticles. Scientific Reports, 2017, 7, 45837.	1.6	21
18	Detection of p53 Gene Mutation (Single-Base Mismatch) Using a Fluorescent Silver Nanoclusters. Journal of Fluorescence, 2017, 27, 1443-1448.	1.3	16

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19	A Nanobiosensor Based on Fluorescent DNA-Hosted Silver Nanocluster and HCR Amplification for Detection of MicroRNA Involved in Progression of Multiple Sclerosis. Journal of Fluorescence, 2017, 27, 1679-1685.	1.3	31
20	Fluorescence based turn-on strategy for determination of microRNA-155 using DNA-templated copper nanoclusters. Mikrochimica Acta, 2017, 184, 2671-2677.	2.5	70
21	Label-free fluorescent detection of microRNA-155 based on synthesis of hairpin DNA-templated copper nanoclusters by etching (top-down approach). Sensors and Actuators B: Chemical, 2017, 248, 133-139.	4.0	77
22	An enhanced electrochemiluminescence sensor modified with a Ru(bpy)32+/Yb2O3 nanoparticle/nafion composite for the analysis of methadone samples. Materials Science and Engineering C, 2017, 76, 483-489.	3.8	33
23	Novel Fluorometric Assay for Detection of Cysteine as a Reducing Agent and Template in Formation of Copper Nanoclusters. Journal of Fluorescence, 2017, 27, 529-536.	1.3	48
24	DNA methyltransferase activity detection based on graphene quantum dots using fluorescence and fluorescence anisotropy. Sensors and Actuators B: Chemical, 2017, 241, 217-223.	4.0	50
25	FRET-based aptamer biosensor for selective and sensitive detection of aflatoxin B1 in peanut and rice. Food Chemistry, 2017, 220, 527-532.	4.2	195
26	Substitutional Tolerant Markov Models for Relative Compression of DNA Sequences. Advances in Intelligent Systems and Computing, 2017, , 265-272.	0.5	6
27	On the Role of Inverted Repeats in DNA Sequence Similarity. Advances in Intelligent Systems and Computing, 2017, , 228-236.	0.5	1
28	Visualization of Distinct DNA Regions of the Modern Human Relatively to a Neanderthal Genome. Lecture Notes in Computer Science, 2017, , 235-242.	1.0	2
29	Cryfa: A Tool to Compact and Encrypt FASTA Files. Advances in Intelligent Systems and Computing, 2017, , 305-312.	0.5	2
30	A Survey on Data Compression Methods for Biological Sequences. Information (Switzerland), 2016, 7, 56.	1.7	67
31	Synthesis and Assessment of DNA/Silver Nanoclusters Probes for Optimal and Selective Detection of Tristeza Virus Mild Strains. Journal of Fluorescence, 2016, 26, 1795-1803.	1.3	11
32	A fluorescent aptasensor for sensitive analysis oxytetracycline based on silver nanoclusters. Luminescence, 2016, 31, 1339-1343.	1.5	47
33	Rapid restriction enzyme free detection of DNA methyltransferase activity based on DNA-templated silver nanoclusters. Analytical and Bioanalytical Chemistry, 2016, 408, 4311-4318.	1.9	51
34	Spectroscopic Study of CpG Alternating DNA-Methylene Blue Interaction for Methylation Detection. Journal of Fluorescence, 2016, 26, 1123-1129.	1.3	9
35	A novel solid-state electrochemiluminescence sensor for detection of cytochrome c based on ceria nanoparticles decoratedÂwith reduced graphene oxide nanocomposite. Analytical and Bioanalytical Chemistry, 2016, 408, 7193-7202.	1.9	49
36	Rapid pre-symptomatic recognition of tristeza viral RNA by a novel fluorescent self-dimerized DNAâ€"silver nanocluster probe. RSC Advances, 2016, 6, 99437-99443.	1.7	17

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37	Visual detection of cancer cells by colorimetric aptasensor based on aggregation of gold nanoparticles induced by DNA hybridization. Analytica Chimica Acta, 2016, 904, 92-97.	2.6	152
38	An Apta-Biosensor for Colon Cancer Diagnostics. Sensors, 2015, 15, 22291-22303.	2.1	18
39	A Novel Label-Free microRNA-155 Detection on the Basis of Fluorescent Silver Nanoclusters. Journal of Fluorescence, 2015, 25, 925-929.	1.3	38
40	Label free colorimetric and fluorimetric direct detection of methylated DNA based on silver nanoclusters for cancer early diagnosis. Biosensors and Bioelectronics, 2015, 73, 108-113.	5.3	84
41	Sensitive determination of carbidopa through the electrochemiluminescence of luminol at graphene–modified electrodes. Luminescence, 2015, 30, 376-381.	1.5	9
42	Selective recognition histidine and tryptophan by enhanced chemiluminescence ZnSe quantum dots. Sensors and Actuators B: Chemical, 2015, 210, 349-354.	4.0	37
43	A novel solid-state electrochemiluminescence sensor based on a $Ru(bpy)_3^{2+}$/nano Sm_2O_3 modified carbon paste electrode for the determination of l-proline. RSC Advances, 2015, 5, 64669-64674.	1.7	23
44	A Novel Cobalt-Sensitive Fluorescent Chemosensor Based on Ligand Capped CdS Quantum Dots. Journal of Fluorescence, 2015, 25, 613-619.	1.3	30
45	Enhanced solid-state electrochemiluminescence of $Ru(bpy)_3^{2+}$ with nano-CeO_2 modified carbon paste electrode and its application in tramadol determination. Analytical Methods, 2015, 7, 1936-1942.	1.3	28
46	Fast Removal of Methylene Blue from Aqueous Solution Using Magnetic-Modified Fe3O4 Nanoparticles. Journal of Environmental Engineering, ASCE, 2015, 141, .	0.7	21
47	Selective recognition of Glutamate based on fluorescence enhancement of graphene quantum dot. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 136, 1962-1966.	2.0	26
48	Holmium(III)-selective fluorimetric optode based on N,N-bis(salicylidene)-naphthylene-1,8-diamine as a neutral fluorogenic ionophore. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 121, 224-229.	2.0	8
49	A turn-on fluorescent sensor for Zn2+ based on new Schiff's base derivative in aqueous media. Sensors and Actuators B: Chemical, 2014, 198, 411-415.	4.0	73
50	Selective recognition of dysprosium(III) ions by enhanced chemiluminescence CdSe quantum dots. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 121, 116-120.	2.0	16
51	Enhanced chemiluminescence CdSe quantum dots by histidine and tryptophan. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 132, 629-633.	2.0	20
52	A selective fluorescent bulk sensor for lutetium based on hexagonal mesoporous structures. Sensors and Actuators B: Chemical, 2013, 184, 93-99.	4.0	26
53	A novel Lu3+ fluorescent nano-chemosensor using new functionalized mesoporous structures. Analytica Chimica Acta, 2013, 771, 95-101.	2.6	15
54	A novel europium-sensitive fluorescent nano-chemosensor based on new functionalized magnetic core–shell Fe3O4@SiO2 nanoparticles. Talanta, 2013, 115, 271-276.	2.9	18

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55	A novel permanganate-sensitive fluorescent nano-chemosensor assembled with a new 8-hydroxyquinoline-functionalized SBA-15. Talanta, 2012, 88, 684-688.	2.9	38
56	A novel dichromate-sensitive fluorescent nano-chemosensor using new functionalized SBA-15. Analytica Chimica Acta, 2012, 715, 80-85.	2.6	46
57	Medical ultrasound image compression using contextual vector quantization. Computers in Biology and Medicine, 2012, 42, 743-750.	3.9	45
58	Lanthanide recognition: A dysprosium(III) selective fluorimetric bulk optode. Sensors and Actuators B: Chemical, 2012, 171-172, 644-651.	4.0	21
59	Selective recognition of acetate ion based on fluorescence enhancement chemosensor. Luminescence, 2012, 27, 341-345.	1.5	20
60	The fast peroxyoxalate-chemiluminescence of 3-1-aza-4,10-dithia-7-oxacyclododecane as a novel fluorophore. Journal of Luminescence, 2012, 132, 2126-2129.	1.5	6
61	Selective recognition of monohydrogen phosphate by fluorescence enhancement of a new cerium complex. Analytica Chimica Acta, 2011, 708, 107-110.	2.6	50
62	Fluorescence â€œTurn-Onâ€•chemosensor for the selective detection of beryllium. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 83, 161-164.	2.0	16
63	Pyrophosphate Selective Recognition in Aqueous Solution Based on Fluorescence Enhancement of a New Aluminium Complex. Journal of Fluorescence, 2011, 21, 1509-1513.	1.3	27
64	Interaction study of pioglitazone with albumin by fluorescence spectroscopy and molecular docking. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 78, 96-101.	2.0	76
65	Determination of terbium in phosphate rock by Tb3+-selective fluorimetric optode based on dansyl derivative as a neutral fluorogenic ionophore. Analytica Chimica Acta, 2010, 664, 172-177.	2.6	32
66	Novel selective optode membrane for terbium ion based on fluorescence quenching of the 2-(5-(dimethylamino) naphthalen-1-ylsulfonyl)-N-henylhydrazinecarbothioamid. Sensors and Actuators B: Chemical, 2010, 147, 23-30.	4.0	25
67	Fluorescence â€œturn-onâ€•chemosensor for the selective detection of zinc ion based on Schiff-base derivative. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2010, 75, 978-982.	2.0	122
68	Ho3+ carbon paste sensor based on multi-walled carbon nanotubes: Applied for determination of holmium content in biological and environmental samples. Materials Science and Engineering C, 2010, 30, 555-560.	3.8	51
69	A novel ratiometric fluorescent Yb3+ sensor based on a Nâ€²-(1-oxoacenaphthylen-2(1H)-ylidene)furan-2-carbohydrazide as a suitable fluorophore. Materials Science and Engineering C, 2010, 30, 348-351.	3.8	18
70	Highly selective ratiometric fluorescence determination of Eu3+ ion based on (4E)-4-(2-phenyldiazenyl)-2-((E)-(2-aminoethylimino)methyl)phenol. Materials Science and Engineering C, 2010, 30, 929-933.	3.8	23
71	Speciation of Chromium in Water Samples with Homogeneous Liquid-Liquid Extraction and Determination by Flame Atomic Absorption Spectrometry. Bulletin of the Korean Chemical Society, 2010, 31, 2813-2818.	1.0	14
72	Determination of Hg(II) ions in water samples by a novel Hg(II) sensor, based on calix[4]arene derivative. International Journal of Environmental Analytical Chemistry, 2009, 89, 407-422.	1.8	22

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73	Highly Selective Ratiometric Fluorescent Sensor for La(III) Ion Based on a New Schiff's Base. Analytical Letters, 2009, 42, 1029-1040.	1.0	25
74	Highly Selective and Sensitive Tin(II) Membrane Electrode Based on a New Synthesized Schiff's Base. Electroanalysis, 2009, 21, 859-866.	1.5	8
75	Novel erbium (III)-selective fluorimetric bulk optode. Sensors and Actuators B: Chemical, 2009, 142, 90-96.	4.0	37
76	A study of quenching and enhancing effects of some amino acids on peroxyoxalate chemiluminescence of rhodamine 6G. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 72, 484-489.	2.0	9
77	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). Sensors and Actuators B: Chemical, 2006, 113, 892-899.	4.0	85
78	Novel terbium(III) sensor based on a new bis-pyrrolidene Schiff's base. Sensors and Actuators B: Chemical, 2005, 105, 334-339.	4.0	91
79	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. Analytica Chimica Acta, 2005, 533, 17-24.	2.6	84
80	PVC Membrane Potentiometric Sensor Based on 5-Pyridino-2,8-dithia[9](2,9)-1,10-phenanthroline- phane for Selective Determination of Neodymium(III). Analytical Chemistry, 2005, 77, 276-283.	3.2	50
81	PVC Membrane and Coated Graphite Potentiometric Sensors Based on Dibenzo€21€Crown€7 for Selective Determination of Rubidium Ions. Analytical Letters, 2005, 38, 573-588.	1.0	16
82	Novel Dy(III) Sensor Based on a New Bis-Pyrrolidene Schiff's Base. Electroanalysis, 2004, 16, 1771-1776.	1.5	75
83	Development of a new fluorimetric bulk optode membrane based on 2,5-thiophenylbis(5-tert-butyl-1,3-benzexazole) for nickel(II) ions. Analytica Chimica Acta, 2004, 501, 55-60.	2.6	71
84	Novel Gadolinium PVC-Based Membrane Sensor Based on Omeprazole as an Antibiotic. Electroanalysis, 2003, 15, 1038-1042.	1.5	75
85	Polymeric membrane and coated graphite samarium(III)-selective electrodes based on isopropyl 2-[(isopropoxycarbothioyl)disulfanyl]ethanethioate. Analytica Chimica Acta, 2003, 486, 93-99.	2.6	57
86	Novel gadolinium poly(vinyl chloride) membrane sensor based on a new S€N Schiff's base. Analytica Chimica Acta, 2003, 495, 51-59.	2.6	95
87	PVC Membrane and Coated Graphite Potentiometric Sensors Based on Et4todit for Selective Determination of Samarium(III). Analytical Chemistry, 2003, 75, 5680-5686.	3.2	56
88	Highly Selective Iodide Membrane Electrode Based on a Cerium Salen. Analytical Sciences, 2002, 18, 289-292.	0.8	76
89	Lanthanum(III) PVC Membrane Electrodes Based on 1,3,5-Trithiacyclohexane. Analytical Chemistry, 2002, 74, 5538-5543.	3.2	100
90	A selective membrane electrode for iodide ion based on a thiopyrilium ion derivative as a new ionophore. Microchemical Journal, 2002, 72, 77-83.	2.3	45

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91	Novel coated-graphite membrane sensor based on N,N′-dimethylcyanodiaza-18-crown-6 for the determination of ultra-trace amounts of lead. Analytica Chimica Acta, 2002, 464, 181-186.	2.6	42
92	A Schiff Base Complex of Zn(II) as a Neutral Carrier for Highly Selective PVC Membrane Sensors for the Sulfate Ion. Analytical Chemistry, 2001, 73, 2869-2874.	3.2	123
93	PVC-BASED 1,3,5-TRITHIANE COATED GRAPHITE ELECTRODE FOR DETERMINATION OF CERIUM(III) IONS. Analytical Letters, 2001, 34, 2249-2261.	1.0	72