

Kobra Omidfar

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6621644/publications.pdf>

Version: 2024-02-01

90
papers

3,403
citations

156536

32
h-index

182931

54
g-index

92
all docs

92
docs citations

92
times ranked

5212
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical immunosensor for determination of cardiac troponin I using two-dimensional metal-organic framework/Fe ₃ O ₄ -COOH nanosheet composites loaded with thionine and pCTAB/DES modified electrode. <i>Talanta</i> , 2022, 237, 122911.	2.9	29
2	Three-layered PCL-collagen nanofibers containing melilotus officinalis extract for diabetic ulcer healing in a rat model. <i>Journal of Diabetes and Metabolic Disorders</i> , 2022, 21, 313-321.	0.8	14
3	Enhanced electrochemiluminescence biosensing of gene-specific methylation in thyroid cancer patients' plasma based integrated graphitic carbon nitride-encapsulated metal-organic framework nanozyme optimized by central composite design. <i>Sensors and Actuators B: Chemical</i> , 2022, 364, 131895.	4.0	23
4	Multilayered Mesoporous Composite Nanostructures for Highly Sensitive Label-Free Quantification of Cardiac Troponin-I. <i>Biosensors</i> , 2022, 12, 337.	2.3	11
5	Smartphone-Based Electrochemiluminescence for Visual Simultaneous Detection of <i>RASSF1A</i> and <i>SLC5A8</i> Tumor Suppressor Gene Methylation in Thyroid Cancer Patient Plasma. <i>Analytical Chemistry</i> , 2022, 94, 8005-8013.	3.2	34
6	Two- and three-way chemometric analyses for investigation of interactions of acarbose with normal and glycosylated human serum albumin: Developing a novel biosensing system. <i>Microchemical Journal</i> , 2021, 160, 105675.	2.3	27
7	Point-of-care cancer diagnostic devices: From academic research to clinical translation. <i>Talanta</i> , 2021, 225, 122002.	2.9	52
8	Impedimetric Paper-Based Enzymatic Biosensor Using Electrospun Cellulose Acetate Nanofiber and Reduced Graphene Oxide for Detection of Glucose From Whole Blood. <i>IEEE Sensors Journal</i> , 2021, 21, 9210-9217.	2.4	40
9	Electrochemiluminescence paper-based screen-printed electrode for HbA _{1c} detection using two-dimensional zirconium metal-organic framework/Fe ₃ O ₄ nanosheet composites decorated with Au nanoclusters. <i>Mikrochimica Acta</i> , 2021, 188, 296.	2.5	30
10	Simultaneous Detection of SARS-CoV-2 IgG/IgM Antibodies, Using Gold Nanoparticles-Based Lateral Flow Immunoassay. <i>Monoclonal Antibodies in Immunodiagnosis and Immunotherapy</i> , 2021, 40, 210-218.	0.8	10
11	Study of hybrid alginate/gelatin hydrogel-incorporated niosomal Aloe vera capable of sustained release of Aloe vera as potential skin wound dressing. <i>Polymer Bulletin</i> , 2020, 77, 387-403.	1.7	37
12	Point-of-care biosensors in medicine: a brief overview of our achievements in this field based on the conducted research in EMRI (endocrinology and metabolism research Institute of Tehran University) 1-5.	0.8	16
13	Seed-mediated Electrochemically Developed Au Nanostructures with Boosted Sensing Properties: An Implication for Non-enzymatic Glucose Detection. <i>Scientific Reports</i> , 2020, 10, 7232.	1.6	20
14	Advances in HbA _{1c} Biosensor Development Based on Field Effect Transistors: A Review. <i>IEEE Sensors Journal</i> , 2020, 20, 1-1.	2.4	7
15	Biosensor design using an electroactive label-based aptamer to detect bisphenol A in serum samples. <i>Journal of Biosciences</i> , 2019, 44, 1.	0.5	17
16	A review on nanomaterial-based field effect transistor technology for biomarker detection. <i>Mikrochimica Acta</i> , 2019, 186, 739.	2.5	66
17	Electrochemical sensors and biosensors based on the use of polyaniline and its nanocomposites: a review on recent advances. <i>Mikrochimica Acta</i> , 2019, 186, 465.	2.5	125
18	Modeling and optimization of the niosome nanovesicles using response surface methodology for delivery of insulin. <i>Biomedical Physics and Engineering Express</i> , 2019, 5, 045041.	0.6	4

#	ARTICLE	IF	CITATIONS
19	Voltammetric immunosensor for E-cadherin promoter DNA methylation using a Fe ₃ O ₄ -citric acid nanocomposite and a screen-printed carbon electrode modified with poly(vinyl alcohol) and reduced graphene oxide. <i>Mikrochimica Acta</i> , 2019, 186, 170.	2.5	31
20	Biosensor design using an electroactive label-based aptamer to detect bisphenol A in serum samples. <i>Journal of Biosciences</i> , 2019, 44, .	0.5	3
21	Modified methylated DNA immunoprecipitation protocol for noninvasive prenatal diagnosis of Down syndrome. <i>Journal of Obstetrics and Gynaecology Research</i> , 2018, 44, 608-613.	0.6	8
22	Highly Sensitive Electrochemical Biosensor Based on Polyaniline and Gold Nanoparticles for DNA Detection. <i>IEEE Sensors Journal</i> , 2018, 18, 1835-1843.	2.4	20
23	Simultaneous detection of gastric cancer-involved miR-106a and let-7a through a dual-signal-marked electrochemical nanobiosensor. <i>Biosensors and Bioelectronics</i> , 2018, 109, 197-205.	5.3	55
24	Voltammetric determination of the Escherichia coli DNA using a screen-printed carbon electrode modified with polyaniline and gold nanoparticles. <i>Mikrochimica Acta</i> , 2018, 185, 217.	2.5	67
25	Targeted delivery of doxorubicin into tumor cells by nanostructured lipid carriers conjugated to anti-EGFRvIII monoclonal antibody. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 89-94.	1.9	28
26	Effect of silibinin-loaded nano-niosomal coated with trimethyl chitosan on miRNAs expression in 2D and 3D models of T47D breast cancer cell line. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 524-535.	1.9	49
27	A novel intracellular pH-responsive formulation for FTY720 based on PEGylated graphene oxide nano-sheets. <i>Drug Development and Industrial Pharmacy</i> , 2018, 44, 99-108.	0.9	13
28	Formulation and Characterization of Bovine Serum Albumin-Loaded Niosome. <i>AAPS PharmSciTech</i> , 2017, 18, 27-33.	1.5	51
29	Apo ferritin-templated biosynthesis of manganese nanoparticles and investigation of direct electron transfer of MnNPs at modified glassy carbon electrode. <i>Biotechnology and Applied Biochemistry</i> , 2017, 64, 110-116.	1.4	7
30	Surfactant effects on the particle size, zeta potential, and stability of starch nanoparticles and their use in a pH-responsive manner. <i>Cellulose</i> , 2017, 24, 4217-4234.	2.4	28
31	Growth Factor-Loaded Nano-niosomal Gel Formulation and Characterization. <i>AAPS PharmSciTech</i> , 2017, 18, 34-41.	1.5	36
32	Point of care testing: The impact of nanotechnology. <i>Biosensors and Bioelectronics</i> , 2017, 87, 373-387.	5.3	302
33	^{99m}Tc-anti-epidermal growth factor receptor nanobody for tumor imaging. <i>Chemical Biology and Drug Design</i> , 2017, 89, 498-504.	1.5	16
34	A novel electrochemical nanobiosensor for the ultrasensitive and specific detection of femtomolar-level gastric cancer biomarker miRNA-106a. <i>Beilstein Journal of Nanotechnology</i> , 2016, 7, 2023-2036.	1.5	55
35	An electrochemical biosensor based on cobalt nanoparticles synthesized in iron storage protein molecules to determine ascorbic acid. <i>Biotechnology and Applied Biochemistry</i> , 2016, 63, 740-745.	1.4	9
36	Signal amplification strategy using gold/trimethyl chitosan/iron oxide magnetic composite nanoparticles as a tracer tag for high-sensitive electrochemical detection. <i>IET Nanobiotechnology</i> , 2016, 10, 20-27.	1.9	13

#	ARTICLE	IF	CITATIONS
37	Femtomolar level detection of RASSF1A tumor suppressor gene methylation by electrochemical nano-genosensor based on Fe ₃ O ₄ /TMC/Au nanocomposite and PT-modified electrode. <i>Biosensors and Bioelectronics</i> , 2016, 77, 1095-1103.	5.3	70
38	Synthesis, characterization and in vitro biocompatibility study of Au/TMC/Fe ₃ O ₄ nanocomposites as a promising, nontoxic system for biomedical applications. <i>Beilstein Journal of Nanotechnology</i> , 2015, 6, 1677-1689.	1.5	23
39	The use of camel antibodies in development of EGFRvIII enzyme-linked immunosorbent assay. <i>Applied Biochemistry and Microbiology</i> , 2015, 51, 374-380.	0.3	0
40	A new gold nanoparticle based rapid immunochromatographic assay for screening EBV-VCA specific IgA in nasopharyngeal carcinomas. <i>Journal of Applied Biomedicine</i> , 2015, 13, 123-129.	0.6	9
41	A high sensitive electrochemical nanoimmunosensor based on Fe ₃ O ₄ /TMC/Au nanocomposite and PT-modified electrode for the detection of cancer biomarker epidermal growth factor receptor. <i>Sensors and Actuators B: Chemical</i> , 2015, 220, 1311-1319.	4.0	46
42	Advances in phage display technology for drug discovery. <i>Expert Opinion on Drug Discovery</i> , 2015, 10, 651-669.	2.5	94
43	Uptake and transport of insulin across intestinal membrane model using trimethyl chitosan coated insulin niosomes. <i>Materials Science and Engineering C</i> , 2015, 46, 333-340.	3.8	96
44	Development of a new immunochromatographic assay using gold nanoparticles for screening of IgA deficiency. <i>Iranian Journal of Allergy, Asthma and Immunology</i> , 2015, 14, 105-12.	0.3	4
45	Association of urinary bisphenol a concentration with type-2 diabetes mellitus. <i>Journal of Environmental Health Science & Engineering</i> , 2014, 12, 64.	1.4	58
46	An electrochemical immunosensor for digoxin using core-shell gold coated magnetic nanoparticles as labels. <i>Molecular Biology Reports</i> , 2014, 41, 1659-1668.	1.0	70
47	Generation and characterization of nanobodies targeting PSMA for molecular imaging of prostate cancer. <i>Contrast Media and Molecular Imaging</i> , 2014, 9, 211-220.	0.4	57
48	Drug targeting using solid lipid nanoparticles. <i>Chemistry and Physics of Lipids</i> , 2014, 181, 56-61.	1.5	143
49	Synthesis and Characterization of Core-shell Au Fe Oxide Nanocomposites and Their Application for Detecting Immunological Interaction. <i>Monoclonal Antibodies in Immunodiagnosis and Immunotherapy</i> , 2014, 33, 74-79.	0.8	4
50	Effect of endurance training on retinol-binding protein-4 gene expression and its protein level in adipose tissue and the liver in diabetic rats induced by a high-fat diet and streptozotocin. <i>Journal of Diabetes Investigation</i> , 2014, 5, 484-491.	1.1	23
51	humMR1, a highly specific humanized single chain antibody for targeting EGFRvIII. <i>International Immunopharmacology</i> , 2014, 18, 304-310.	1.7	16
52	An electrochemical biosensor for 3-hydroxybutyrate detection based on screen-printed electrode modified by coenzyme functionalized carbon nanotubes. <i>Molecular Biology Reports</i> , 2013, 40, 2327-2334.	1.0	27
53	Development of 3-hydroxybutyrate dehydrogenase enzyme biosensor based on carbon nanotube-modified screen-printed electrode. <i>IET Nanobiotechnology</i> , 2013, 7, 1-6.	1.9	24
54	Exercise-induced changes of MCT1 in cardiac and skeletal muscles of diabetic rats induced by high-fat diet and STZ. <i>Journal of Physiology and Biochemistry</i> , 2013, 69, 865-877.	1.3	34

#	ARTICLE	IF	CITATIONS
55	Efficient growth inhibition of EGFR over-expressing tumor cells by an anti-EGFR nanobody. <i>Molecular Biology Reports</i> , 2013, 40, 6737-6745.	1.0	28
56	New analytical applications of gold nanoparticles as label in antibody based sensors. <i>Biosensors and Bioelectronics</i> , 2013, 43, 336-347.	5.3	163
57	Production and Characterization of Recombinant scFv Against Digoxin by Phage Display Technology. <i>Monoclonal Antibodies in Immunodiagnosis and Immunotherapy</i> , 2013, 32, 172-179.	0.8	8
58	Camel Heavy Chain Antibodies Against Prostate-Specific Membrane Antigen. <i>Hybridoma</i> , 2012, 31, 424-429.	0.5	8
59	Fluorometric study of fluoxetine DNA binding. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2012, 113, 1-6.	1.7	36
60	DNA-Binding Studies of Fluoxetine Antidepressant. <i>DNA and Cell Biology</i> , 2012, 31, 1349-1355.	0.9	26
61	Development of a Nanogold-Based Immunochromatographic Assay for Detection of Morphine in Urine Using the Amor-HK16 Monoclonal Antibody. <i>Hybridoma</i> , 2012, 31, 411-416.	0.5	10
62	The association of carotid intima media thickness with retinol binding protein-4 and total and high molecular weight adiponectin in type 2 diabetic patients. <i>Journal of Diabetes and Metabolic Disorders</i> , 2012, 11, 2.	0.8	13
63	Multi-spectroscopic DNA interaction studies of sunset yellow food additive. <i>Molecular Biology Reports</i> , 2012, 39, 10045-10051.	1.0	44
64	Stability improvement of immobilized lactoperoxidase using polyaniline polymer. <i>Molecular Biology Reports</i> , 2012, 39, 10407-10412.	1.0	16
65	Development of an enhanced chemiluminescence immunoassay (CLIA) for detecting urinary albumin. <i>Molecular Biology Reports</i> , 2012, 39, 10851-10858.	1.0	6
66	Single Domain Antibodies: A New Concept for Epidermal Growth Factor Receptor and EGFRvIII Targeting. <i>DNA and Cell Biology</i> , 2012, 31, 1015-1026.	0.9	18
67	A high-sensitivity electrochemical immunosensor based on mobile crystalline material-41" polyvinyl alcohol nanocomposite and colloidal gold nanoparticles. <i>Analytical Biochemistry</i> , 2012, 421, 649-656.	1.1	63
68	Development of a new sensitive immunostrip assay based on mesoporous silica and colloidal Au nanoparticles. <i>Molecular Biology Reports</i> , 2012, 39, 1253-1259.	1.0	11
69	The impact of one session resistance exercise on plasma adiponectin and RBP4 concentration in trained and untrained healthy young men. <i>Endocrine Journal</i> , 2011, 58, 861-868.	0.7	18
70	Development of urinary albumin immunosensor based on colloidal AuNP and PVA. <i>Biosensors and Bioelectronics</i> , 2011, 26, 4177-4183.	5.3	67
71	Development of a Colloidal Gold-based Immunochromatographic Test Strip for Screening of Microalbuminuria. <i>Hybridoma</i> , 2011, 30, 117-124.	0.5	36
72	Colloidal Nanogold-Based Immunochromatographic Strip Test for the Detection of Digoxin Toxicity. <i>Applied Biochemistry and Biotechnology</i> , 2010, 160, 843-855.	1.4	43

#	ARTICLE	IF	CITATIONS
73	Association Between Retinol-Binding Protein 4 Concentrations and Gestational Diabetes Mellitus and Risk of Developing Metabolic Syndrome After Pregnancy. <i>Reproductive Sciences</i> , 2010, 17, 196-201.	1.1	31
74	Effects of oral creatine and resistance training on serum myostatin and GASP-1. <i>Molecular and Cellular Endocrinology</i> , 2010, 317, 25-30.	1.6	58
75	Proinflammatory cytokines in response to insulin-induced hypoglycemic stress in healthy subjects. <i>Metabolism: Clinical and Experimental</i> , 2009, 58, 443-448.	1.5	171
76	Expression of EGFRvIII in Thyroid Carcinoma: Immunohistochemical Study by Camel Antibodies. <i>Immunological Investigations</i> , 2009, 38, 165-180.	1.0	38
77	DNA binding studies of PdCl ₂ (LL)(LL = chelating diamine ligand: N,N-dimethyltrimethylenediamine) complex. <i>Biochemistry (Moscow)</i> , 2008, 73, 929-936.	0.7	27
78	<i>In Vitro</i> Study of DNA Interaction with Clodinafop-Propargyl Herbicide. <i>DNA and Cell Biology</i> , 2008, 27, 581-586.	0.9	93
79	Structural and Functional Study of Mouse Antidigoxin Monoclonal Antibody Against Thermal Variation. <i>Hybridoma</i> , 2008, 27, 123-130.	0.5	0
80	Structural and Functional Study of Rabbit Polyclonal Antibody for Immunoassay Purposes. <i>Hybridoma</i> , 2008, 27, 48-53.	0.5	4
81	Effect of Osmolytes on the Conformational Stability of Mouse Monoclonal Antidigoxin Antibody in Long-Term Storage. <i>Hybridoma</i> , 2008, 27, 99-106.	0.5	4
82	Production and Characterization of Monoclonal Antibody Against Human Serum Albumin. <i>Hybridoma</i> , 2007, 26, 217-222.	0.5	14
83	Studies of thermostability in <i>Camelus bactrianus</i> (Bactrian camel) single-domain antibody specific for the mutant epidermal-growth-factor receptor expressed by <i>Pichia</i> . <i>Biotechnology and Applied Biochemistry</i> , 2007, 46, 41.	1.4	42
84	A New Competitive Enzyme Linked Immunosorbent Assay (MRP83â€œCA15â€œ3) for MUC1 Measurement in Breast Cancer. <i>Journal of Immunoassay and Immunochemistry</i> , 2006, 27, 139-149.	0.5	15
85	Continuous production of monoclonal antibody in a packedâ€œbed bioreactor. <i>Biotechnology and Applied Biochemistry</i> , 2005, 41, 273-278.	1.4	19
86	Production of a Novel Camel Single-Domain Antibody Specific for the Type III Mutant EGFR. <i>Tumor Biology</i> , 2004, 25, 296-305.	0.8	28
87	Production and Characterization of a New Antibody Specific for the Mutant EGF Receptor, EGFRvIII, in <i>Camelus bactrianus</i> . <i>Tumor Biology</i> , 2004, 25, 179-187.	0.8	26
88	Production of Monoclonal Antibody, PR81, Recognizing the Tandem Repeat Region of MUC1 Mucin. <i>Hybridoma</i> , 2003, 22, 153-158.	0.6	24
89	Preparation and Characterization of Monoclonal Antibody against Digoxin. <i>Hybridoma</i> , 2002, 21, 375-379.	0.6	22
90	STABILIZATION OF PENICILLINASE-HAPTEN CONJUGATE FOR ENZYME IMMUNOASSAY. <i>Journal of Immunoassay and Immunochemistry</i> , 2002, 23, 385-398.	0.5	21