

Veli C Ozalp

List of Publications by Year in descending order

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84
papers

2,952
citations

159358

30
h-index

174990

52
g-index

89
all docs

89
docs citations

89
times ranked

4038
citing authors

#	ARTICLE	IF	CITATIONS
1	Aptamers: molecular tools for analytical applications. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 390, 989-1007.	1.9	510
2	Ligand-activated Pregnane X Receptor Interferes with HNF-4 Signaling by Targeting a Common Coactivator PGC-1 β . <i>Journal of Biological Chemistry</i> , 2004, 279, 45139-45147.	1.6	194
3	Pathogen detection in complex samples by quartz crystal microbalance sensor coupled to aptamer functionalized core-shell type magnetic separation. <i>Analytica Chimica Acta</i> , 2015, 853, 533-540.	2.6	110
4	Time-resolved Measurements of Intracellular ATP in the Yeast <i>Saccharomyces cerevisiae</i> using a New Type of Nanobiosensor. <i>Journal of Biological Chemistry</i> , 2010, 285, 37579-37588.	1.6	97
5	Aptamer-Based Switchable Nanovalves for Stimuli-Responsive Drug Delivery. <i>Chemistry - A European Journal</i> , 2011, 17, 9893-9896.	1.7	89
6	Aptamers Embedded in Polyacrylamide Nanoparticles: A Tool for <i>in Vivo</i> Metabolite Sensing. <i>ACS Nano</i> , 2010, 4, 4361-4370.	7.3	83
7	Graphene and Other Nanomaterial-Based Electrochemical Aptasensors. <i>Biosensors</i> , 2012, 2, 1-14.	2.3	82
8	Antibiotic loaded nanocapsules functionalized with aptamer gates for targeted destruction of pathogens. <i>Chemical Communications</i> , 2015, 51, 8492-8495.	2.2	73
9	Single-Step Purification of Recombinant <i>Thermus aquaticus</i> DNA Polymerase Using DNA-Aptamer Immobilized Novel Affinity Magnetic Beads. <i>Biotechnology Progress</i> , 2007, 23, 146-154.	1.3	69
10	Aptamer-Gated Nanoparticles for Smart Drug Delivery. <i>Pharmaceuticals</i> , 2011, 4, 1137-1157.	1.7	68
11	Immobilized lipase on micro-porous biosilica for enzymatic transesterification of algal oil. <i>Chemical Engineering Research and Design</i> , 2015, 95, 12-21.	2.7	67
12	Rapid and label-free detection of <i>Brucella melitensis</i> in milk and milk products using an aptasensor. <i>Talanta</i> , 2019, 200, 263-271.	2.9	67
13	<i>Staphylococcus aureus</i> detection in blood samples by silica nanoparticle-oligonucleotides conjugates. <i>Biosensors and Bioelectronics</i> , 2016, 86, 27-32.	5.3	64
14	Design of an aptamer-based magnetic adsorbent and biosensor systems for selective and sensitive separation and detection of thrombin. <i>Talanta</i> , 2019, 191, 59-66.	2.9	58
15	BIMOLECULAR FLUORESCENCE COMPLEMENTATION ANALYSIS OF CYTOCHROME P450 2C2, 2E1, AND NADPH-CYTOCHROME P450 REDUCTASE MOLECULAR INTERACTIONS IN LIVING CELLS. <i>Drug Metabolism and Disposition</i> , 2005, 33, 1382-1390.	1.7	55
16	Real-time apta-PCR for 20,000-fold improvement in detection limit. <i>Molecular BioSystems</i> , 2009, 5, 548.	2.9	53
17	Expression of a cauliflower tonoplast aquaporin tagged with GFP in tobacco suspension cells correlates with an increase in cell size. <i>Plant Molecular Biology</i> , 2003, 52, 387-400.	2.0	49
18	Improvement stability and performance of invertase via immobilization on to silanized and polymer brush grafted magnetic nanoparticles. <i>Food Chemistry</i> , 2017, 221, 1442-1450.	4.2	49

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19	Targeting cancer cells with controlled release nanocapsules based on a single aptamer. <i>Chemical Communications</i> , 2013, 49, 1285.	2.2	48
20	Hierarchically porous polymer derived ceramics: A promising platform for multidrug delivery systems. <i>Materials and Design</i> , 2018, 140, 37-44.	3.3	44
21	Pathogen detection by core-shell type aptamer-magnetic preconcentration coupled to real-time PCR. <i>Analytical Biochemistry</i> , 2014, 447, 119-125.	1.1	42
22	Label-free lateral flow assay for <i>Listeria monocytogenes</i> by aptamer-gated release of signal molecules. <i>Analytical Biochemistry</i> , 2019, 587, 113449.	1.1	42
23	Fast and Sensitive Detection of <i>Salmonella</i> in Milk Samples Using Aptamer-Functionalized Magnetic Silica Solid Phase and MCM-41-Aptamer Gate System. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 1437-1444.	2.6	41
24	Characterization of structural changes in aptamer films for controlled release nanodevices. <i>Chemical Communications</i> , 2012, 48, 10087.	2.2	40
25	Aptamers: Molecular Tools for Medical Diagnosis. <i>Current Topics in Medicinal Chemistry</i> , 2015, 15, 1125-1137.	1.0	35
26	Acoustic quantification of ATP using a quartz crystal microbalance with dissipation. <i>Analyst, The</i> , 2011, 136, 5046.	1.7	34
27	Portable Bioactive Paper-Based Sensor for Quantification of Pesticides. <i>Journal of Analytical Methods in Chemistry</i> , 2013, 2013, 1-8.	0.7	34
28	Lysozyme specific aptamer immobilized MCM-41 silicate for single-step purification and quartz crystal microbalance (QCM)-based determination of lysozyme from chicken egg white. <i>Microporous and Mesoporous Materials</i> , 2015, 207, 95-104.	2.2	34
29	Label free optical sensor for Avidin based on single gold nanoparticles functionalized with aptamers. <i>Journal of Biophotonics</i> , 2009, 2, 227-231.	1.1	33
30	Magnetic Polymeric Beads Functionalized with Different Mixed-Mode Ligands for Reversible Immobilization of Trypsin. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 132-140.	1.8	32
31	Inhibitory effects of aptamer targeted teicoplanin encapsulated PLGA nanoparticles for <i>Staphylococcus aureus</i> strains. <i>World Journal of Microbiology and Biotechnology</i> , 2020, 36, 69.	1.7	31
32	Identification of Membrane-Contacting Loops of the Catalytic Domain of Cytochrome P450 2C2 by Tryptophan Fluorescence Scanning. <i>Biochemistry</i> , 2006, 45, 4629-4637.	1.2	27
33	Fibrous polymer grafted magnetic chitosan beads with strong poly(cation-exchange) groups for single step purification of lysozyme. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 990, 84-95.	1.2	27
34	An Aptamer-Based Nanobiosensor for Real-Time Measurements of ATP Dynamics. <i>ChemBioChem</i> , 2010, 11, 2538-2541.	1.3	26
35	Small molecule detection by lateral flow strips via aptamer-gated silica nanoprobe. <i>Analyst, The</i> , 2016, 141, 2595-2599.	1.7	26
36	Measurements of intracellular ATP provide new insight into the regulation of glycolysis in the yeast <i>Saccharomyces cerevisiae</i> . <i>Integrative Biology (United Kingdom)</i> , 2012, 4, 99-107.	0.6	25

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37	Antimicrobial aptamers for detection and inhibition of microbial pathogen growth. <i>Future Microbiology</i> , 2013, 8, 387-401.	1.0	23
38	Melting temperature of surface-tethered DNA. <i>Analytical Biochemistry</i> , 2010, 406, 34-40.	1.1	21
39	Removal of Disperse Red 60 dye from aqueous solution using free and composite fungal biomass of <i>Lentinus concinnus</i> . <i>Water Science and Technology</i> , 2017, 75, 366-377.	1.2	21
40	Surface plasmon resonance aptasensor for <i>Brucella</i> detection in milk. <i>Talanta</i> , 2022, 239, 123074.	2.9	21
41	NanoKeepers: stimuli responsive nanocapsules for programmed specific targeting and drug delivery. <i>Chemical Communications</i> , 2014, 50, 9489-9492.	2.2	20
42	Dual-polarization interferometry for quantification of small molecules using aptamers. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 799-804.	1.9	19
43	In Situ Monitoring of DNA Aptavalve Gating Function on Mesoporous Silica Nanoparticles. <i>Particle and Particle Systems Characterization</i> , 2014, 31, 161-167.	1.2	19
44	An experimental study of the regulation of glycolytic oscillations in yeast. <i>FEBS Journal</i> , 2013, 280, 6033-6044.	2.2	18
45	A facile and efficient method of enzyme immobilization on silica particles via Michael acceptor film coatings: immobilized catalase in a plug flow reactor. <i>Bioprocess and Biosystems Engineering</i> , 2016, 39, 871-881.	1.7	18
46	Design of a core-shell type immuno-magnetic separation system and multiplex PCR for rapid detection of pathogens from food samples. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 9541-9551.	1.7	17
47	High-efficiency application of CTS-Co NPs mimicking peroxidase enzyme on TMB(ox). <i>Chemosphere</i> , 2022, 292, 133429.	4.2	17
48	Two-dimensional electrophoresis of proteins with a different approach to isoelectric focusing. <i>Analyst</i> , The, 1994, 119, 1341-1344.	1.7	13
49	Development of a paper-type tyrosinase biosensor for detection of phenolic compounds. <i>Biotechnology and Applied Biochemistry</i> , 2015, 62, 132-136.	1.4	13
50	Development of electrochemical aptasensors detecting phosphate ions on TMB substrate with epoxy-based mesoporous silica nanoparticles. <i>Chemosphere</i> , 2022, 297, 134077.	4.2	13
51	Cystic fibrosis: a label-free detection approach based on thermally modulated electrochemical impedance spectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 2565-2574.	1.9	12
52	DNA Aptamers are Functional Molecular Recognition Sensors in Protic Ionic Liquids. <i>Chemistry - A European Journal</i> , 2014, 20, 11820-11825.	1.7	12
53	Preparation and characterization of mixed-mode magnetic adsorbent with p-amino-benzamidine ligand: Operated in a magnetically stabilized fluidized bed reactor for purification of trypsin from bovine pancreas. <i>Process Biochemistry</i> , 2014, 49, 520-528.	1.8	12
54	Metagenomic and chemical analysis of Tarhana during traditional fermentation process. <i>Food Bioscience</i> , 2021, 39, 100824.	2.0	12

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55	Adsorption and separation of immunoglobulins by novel affinity core-shell beads decorated with Protein L and L-histidine. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 936, 1-9.	1.2	11
56	Nanoparticle embedded enzymes for improved lateral flow sensors. <i>Analyst</i> , The, 2013, 138, 4255.	1.7	11
57	Nuclease activity as a specific biomarker for breast cancer. <i>Chemical Communications</i> , 2016, 52, 12346-12349.	2.2	11
58	Bacterial surface, biofilm and virulence properties of <i>Listeria monocytogenes</i> strains isolated from smoked salmon and fish food contact surfaces. <i>Food Bioscience</i> , 2021, 41, 101021.	2.0	11
59	Targeted mesoporous silica nanoparticles for improved inhibition of disinfectant resistant <i>Listeria monocytogenes</i> and lower environmental pollution. <i>Journal of Hazardous Materials</i> , 2021, 418, 126364.	6.5	10
60	Identification of bacterial communities of fermented cereal beverage Boza by metagenomic analysis. <i>LWT - Food Science and Technology</i> , 2022, 153, 112465.	2.5	10
61	Determination of bacterial community structure of Turkish kefir beverages via metagenomic approach. <i>International Dairy Journal</i> , 2022, 129, 105337.	1.5	10
62	Photosystem II and cellular membrane stability evaluation in hexaploid wheat seedlings under salt stress conditions. <i>Journal of Plant Nutrition</i> , 2000, 23, 275-283.	0.9	9
63	Genotyping of single nucleotide polymorphism by probe-gated silica nanoparticles. <i>Analytical Biochemistry</i> , 2017, 537, 78-83.	1.1	9
64	Microbial community of soda Lake Van as obtained from direct and enriched water, sediment and fish samples. <i>Scientific Reports</i> , 2021, 11, 18364.	1.6	9
65	DNA-aptamer gating membranes. <i>Chemical Communications</i> , 2015, 51, 5471-5474.	2.2	8
66	Magnetic silica nanoparticle-Taq polymerase hybrids for multiple uses in polymerase chain reaction. <i>RSC Advances</i> , 2015, 5, 87672-87678.	1.7	8
67	Enhanced antitumor activity of carbendazim on HeLa cervical cancer cells by aptamer mediated controlled release. <i>RSC Advances</i> , 2019, 9, 36005-36010.	1.7	8
68	Selection of Aptamers for Metabolite Sensing and Construction of Optical Nanosensors. <i>Methods in Molecular Biology</i> , 2016, 1380, 3-19.	0.4	7
69	Fibrous polymer functionalized magnetic biocatalysts for improved performance. <i>Methods in Enzymology</i> , 2020, 630, 111-132.	0.4	7
70	Examination of fabrication conditions of acrylate-based hydrogel formulations for doxorubicin release and efficacy test for hepatocellular carcinoma cell. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2014, 25, 657-678.	1.9	6
71	Antibiotic administration in targeted nanoparticles protects the faecal microbiota of mice. <i>RSC Medicinal Chemistry</i> , 2021, 12, 380-383.	1.7	6
72	Salt induced synthesis of new proteins in the roots of rice varieties. <i>Journal of Plant Nutrition</i> , 1995, 18, 1121-1137.	0.9	5

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73	Surface microbiota and associated staphylococci of houseflies (<i>Musca domestica</i>) collected from different environmental sources. <i>Microbial Pathogenesis</i> , 2022, 164, 105439.	1.3	5
74	Detection of viruses by probe-gated silica nanoparticles directly from swab samples. <i>Talanta</i> , 2022, 246, 123429.	2.9	5
75	Fluorescent resonance energy transfer (FRET) based detection of a multiplex ligation-dependent probe amplification assay (MLPA) product. <i>Molecular BioSystems</i> , 2008, 4, 950.	2.9	4
76	Comparison of a Novel Test (ODAK Brucella Coombs Gel Test) with Commonly Used Serological Tests in Human Brucellosis. <i>Clinical Laboratory</i> , 2016, 62, 1671-1674.	0.2	4
77	16S Bacterial Metagenomic Analysis of Herby Cheese (Otlu Peynir) Microbiota. , 2021, 47, 188-196.		3
78	Antioxidant Activity and Hemocompatibility Study of Quercetin Loaded Plga Nanoparticles. <i>Iranian Journal of Pharmaceutical Research</i> , 2020, 19, 424-435.	0.3	3
79	Surface plasmon resonance aptasensor for soluble ICAM-1 protein in blood samples. <i>Analyst, The</i> , 2022, 147, 1663-1668.	1.7	3
80	Lab-on-chip for the Isolation and Characterization of Circulating Tumor Cells. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 6447-9.	0.5	1
81	<i>Kerstersia gyiorum</i> : An Unusual Pathogen Causing Chronic Suppurative Otitis Media. <i>Klimik Dergisi</i> , 2017, 30, 158-160.	0.1	1
82	Investigation of Isepamicin, Chloramphenicol and Minocycline Sensitivity in Carbapenem-Resistant Enterobacteriaceae. <i>Klimik Dergisi</i> , 0, , 50-55.	0.1	1
83	Investigation of Fosfomycin and Chloramphenicol Susceptibility of Carbapenemase-Producing <i>Klebsiella pneumoniae</i> Strains. <i>Klimik Dergisi</i> , 2020, 33, 15-18.	0.1	0
84	Determination of the effect of glucose, sucrose and sodium chloride addition in different culture media on biofilm formation of methicillin resistant <i>Staphylococcus aureus</i> . <i>Anatolian Current Medical Journal</i> ; 2022, 4, 152-157.	0.1	0