Farid J Ghadessy

List of Publications by Year
in descending order

41	971	430874 18	454955 30
papers	citations	h-index	g-index

42	42	42	1416
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Functional display of bioactive peptides on the vGFP scaffold. Scientific Reports, 2021, 11, 10127.	3.3	2
2	Engineered RebH Halogenase Variants Demonstrating a Specificity Switch from Tryptophan towards Novel Indole Compounds. ChemBioChem, 2021, 22, 2791-2798.	2.6	10
3	Directed co-evolution of interacting proteinâ€“peptide pairs by compartmentalized two-hybrid replication (C2HR). Nucleic Acids Research, 2020, 48, e128-e128.	14.5	4
4	Development and application of a transcriptional sensor for detection of heterologous acrylic acid production in E. coli. Microbial Cell Factories, 2019, 18, 139.	4.0	13
5	Development and structural characterization of an engineered multi-copper oxidase reporter of proteinâ€“protein interactions. Journal of Biological Chemistry, 2019, 294, 7002-7012.	3.4	5
6	Ultrasensitive dynamic light scattering based nanobiosensor for rapid anticancer drug screening. Sensors and Actuators B: Chemical, 2019, 279, 79-86.	7.8	18
7	Laccaseâ€Catalyzed Synthesis of Lowâ€Molecularâ€Weight Ligninâ€Like Oligomers and their Application as UVâ€Blocking Materials. Chemistry - an Asian Journal, 2018, 13, 284-291.	3.3	14
8	A novel molecular rotor facilitates detection of p53-DNA interactions using the Fluorescent Intercalator Displacement Assay. Scientific Reports, 2018, 8, 12946.	3.3	6
9	Rapid colorimetric detection of p53 protein function using DNA-gold nanoconjugates with applications for drug discovery and cancer diagnostics. Colloids and Surfaces B: Biointerfaces, 2018, 169, 214-221.	5.0	33
10	Development of a genetically programed vanillin-sensing bacterium for high-throughput screening of lignin-degrading enzyme libraries. Biotechnology for Biofuels, 2017, 10, 32.	6.2	28
11	Protein and Protease Sensing by Allosteric Derepression. Methods in Molecular Biology, 2017, 1596, 167-177.	0.9	1
12	Going native: Complete removal of protein purification affinity tags by simple modification of existing tags and proteases. Protein Expression and Purification, 2017, 129, 18-24.	1.3	19
13	Anatomy of Mdm2 and Mdm4 in evolution. Journal of Molecular Cell Biology, 2017, 9, 3-15.	3.3	34
14	Structure-activity studies of Mdm2/Mdm4-binding stapled peptides comprising non-natural amino acids. PLoS ONE, 2017, 12, e0189379.	2.5	9
15	The p53â€“Mdm2 interaction and the E3 ligase activity of Mdm2/Mdm4 are conserved from lampreys to humans. Genes and Development, 2016, 30, 281-292.	5.9	34
16	Functional characterization of p53 pathway components in the ancient metazoan Trichoplax adhaerens. Scientific Reports, 2016, 6, 33972.	3.3	12
17	Avoiding drug resistance through extended drug target interfaces: a case for stapled peptides. Oncotarget, 2016, 7, 32232-32246.	1.8	15
18	Enhanced antigen detection in immunohistochemical staining using a â€˜digitizedâ€™ chimeric antibody. Protein Engineering, Design and Selection, 2015, 29, gzv054.	2.1	0

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19	A highly sensitive fluorescent light-up probe for real-time detection of the endogenous protein target and its antagonism in live cells. Journal of Materials Chemistry B, 2015, 3, 5933-5937.	5.8	21
20	Directed evolution of Î» integrase activity and specificity by genetic derepression. Protein Engineering, Design and Selection, 2015, 28, 211-220.	2.1	15
21	Rapid and sensitive detection of acrylic acid using a novel fluorescence assay. RSC Advances, 2014, 4, 60216-60220.	3.6	5
22	Rapid screening of proteinâ€“protein interaction inhibitors using the protease exclusion assay. Biosensors and Bioelectronics, 2014, 56, 250-257.	10.1	10
23	The Fluorescent Two-Hybrid Assay to Screen for Proteinâ€“Protein Interaction Inhibitors in Live Cells. Journal of Biomolecular Screening, 2014, 19, 516-525.	2.6	35
24	Molecular Rotors As Conditionally Fluorescent Labels for Rapid Detection of Biomolecular Interactions. Journal of the American Chemical Society, 2014, 136, 6159-6162.	13.7	93
25	Structure of a Stapled Peptide Antagonist Bound to Nutlin-Resistant Mdm2. PLoS ONE, 2014, 9, e104914.	2.5	33
26	A generic scaffold for conversion of peptide ligands into homogenous biosensors. Biosensors and Bioelectronics, 2013, 47, 421-428.	10.1	19
27	In Vitro Selection of Mutant HDM2 Resistant to Nutlin Inhibition. PLoS ONE, 2013, 8, e62564.	2.5	27
28	Inhibition of Nutlin-Resistant HDM2 Mutants by Stapled Peptides. PLoS ONE, 2013, 8, e81068.	2.5	27
29	Binding of Translationally Controlled Tumour Protein to the N-Terminal Domain of HDM2 Is Inhibited by Nutlin-3. PLoS ONE, 2012, 7, e42642.	2.5	14
30	Analysis of p53 binding to DNA by fluorescence imaging microscopy. Micron, 2012, 43, 996-1000.	2.2	5
31	Compartmentalized linkage of genes encoding interacting protein pairs. Proteomics, 2011, 11, 1335-1339.	2.2	7
32	Selection of bacteriophage Î» integrases with altered recombination specificity by in vitro compartmentalization. Nucleic Acids Research, 2010, 38, e25-e25.	14.5	23
33	Detection of the 113p53 protein isoform: A p53-induced protein that feeds back on the p53 pathway to modulate the p53 response in zebrafish. Cell Cycle, 2010, 9, 1998-2007.	2.6	7
34	Mdm2 and p53 are highly conserved from placozoans to man. Cell Cycle, 2010, 9, 540-547.	2.6	80
35	The Mdm2 and p53 genes are conserved in the Arachnids. Cell Cycle, 2010, 9, 748-754.	2.6	43
36	Development of a novel multiplex in vitro binding assay to profile p53-DNA interactions. Cell Cycle, 2010, 9, 3102-3110.	2.6	8

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37	Compartmentalized Self-Replication: A Novel Method for the Directed Evolution of Polymerases and Other Enzymes. , 2007, 352, 237-248.		17
38	CELL-FREE SELECTION OF DNA-BINDING PROTEINS FOR FUTURE GENE THERAPY APPLICATIONS. Gene Therapy and Regulation, 2007, 03, 51-63.	0.3	1
39	Directed Evolution of p53 Variants with Altered DNA-binding Specificities by In Vitro Compartmentalization. Journal of Molecular Biology, 2007, 371, 1238-1248.	4.2	19
40	A novel emulsion mixture for in vitro compartmentalization of transcription and translation in the rabbit reticulocyte system. Protein Engineering, Design and Selection, 2004, 17, 201-204.	2.1	36
41	Generic expansion of the substrate spectrum of a DNA polymerase by directed evolution. Nature Biotechnology, 2004, 22, 755-759.	17.5	169