# 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 | Generic expansion of the substrate spectrum of a DNA polymerase by directed evolution. Nature Biotechnology, 2004, 22, 755-759. | 17.5 | 169 |
| 2 | 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 |
| 3 | Mdm2 and p53 are highly conserved from placozoans to man. Cell Cycle, 2010, 9, 540-547. | 2.6 | 80 |
| 4 | The Mdm2 and p53 genes are conserved in the Arachnids. Cell Cycle, 2010, 9, 748-754. | 2.6 | 43 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | Anatomy of Mdm2 and Mdm4 in evolution. Journal of Molecular Cell Biology, 2017, 9, 3-15. | 3.3 | 34 |
| 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 | Structure of a Stapled Peptide Antagonist Bound to Nutlin-Resistant Mdm2. PLoS ONE, 2014, 9, e104914. | 2.5 | 33 |
| 11 | 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 |
| 12 | In Vitro Selection of Mutant HDM2 Resistant to Nutlin Inhibition. PLoS ONE, 2013, 8, e62564. | 2.5 | 27 |
| 13 | Inhibition of Nutlin-Resistant HDM2 Mutants by Stapled Peptides. PLoS ONE, 2013, 8, e81068. | 2.5 | 27 |
| 14 | Selection of bacteriophage Î» integrases with altered recombination specificity by in vitro compartmentalization. Nucleic Acids Research, 2010, 38, e25-e25. | 14.5 | 23 |
| 15 | 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 |
| 16 | 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 |
| 17 | A generic scaffold for conversion of peptide ligands into homogenous biosensors. Biosensors and Bioelectronics, 2013, 47, 421-428. | 10.1 | 19 |
| 18 | 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 |

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|---|---|---|---|
| 19 | Ultrasensitive dynamic light scattering based nanobiosensor for rapid anticancer drug screening. Sensors and Actuators B: Chemical, 2019, 279, 79-86. | 7.8 | 18 |
| 20 | Compartmentalized Self-Replication: A Novel Method for the Directed Evolution of Polymerases and Other Enzymes. , 2007, 352, 237-248. | | 17 |
| 21 | Directed evolution of Î» integrase activity and specificity by genetic derepression. Protein Engineering, Design and Selection, 2015, 28, 211-220. | 2.1 | 15 |
| 22 | Avoiding drug resistance through extended drug target interfaces: a case for stapled peptides. Oncotarget, 2016, 7, 32232-32246. | 1.8 | 15 |
| 23 | 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 |
| 24 | 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 |
| 25 | 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 |
| 26 | Functional characterization of p53 pathway components in the ancient metazoan Trichoplax adhaerens. Scientific Reports, 2016, 6, 33972. | 3.3 | 12 |
| 27 | Rapid screening of proteinâ€“protein interaction inhibitors using the protease exclusion assay. Biosensors and Bioelectronics, 2014, 56, 250-257. | 10.1 | 10 |
| 28 | Engineered RebH Halogenase Variants Demonstrating a Specificity Switch from Tryptophan towards Novel Indole Compounds. ChemBioChem, 2021, 22, 2791-2798. | 2.6 | 10 |
| 29 | Structure-activity studies of Mdm2/Mdm4-binding stapled peptides comprising non-natural amino acids. PLoS ONE, 2017, 12, e0189379. | 2.5 | 9 |
| 30 | Development of a novel multiplex in vitro binding assay to profile p53-DNA interactions. Cell Cycle, 2010, 9, 3102-3110. | 2.6 | 8 |
| 31 | 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 |
| 32 | Compartmentalized linkage of genes encoding interacting protein pairs. Proteomics, 2011, 11, 1335-1339. | 2.2 | 7 |
| 33 | A novel molecular rotor facilitates detection of p53-DNA interactions using the Fluorescent Intercalator Displacement Assay. Scientific Reports, 2018, 8, 12946. | 3.3 | 6 |
| 34 | Analysis of p53 binding to DNA by fluorescence imaging microscopy. Micron, 2012, 43, 996-1000. | 2.2 | 5 |
| 35 | Rapid and sensitive detection of acrylic acid using a novel fluorescence assay. RSC Advances, 2014, 4, 60216-60220. | 3.6 | 5 |
| 36 | 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 |

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| 37 | Directed co-evolution of interacting proteinâ€“peptide pairs by compartmentalized two-hybrid replication (C2HR). Nucleic Acids Research, 2020, 48, e128-e128. | 14.5 | 4 |
| 38 | Functional display of bioactive peptides on the vGFP scaffold. Scientific Reports, 2021, 11, 10127. | 3.3 | 2 |
| 39 | CELL-FREE SELECTION OF DNA-BINDING PROTEINS FOR FUTURE GENE THERAPY APPLICATIONS. Gene Therapy and Regulation, 2007, 03, 51-63. | 0.3 | 1 |
| 40 | Protein and Protease Sensing by Allosteric Derepression. Methods in Molecular Biology, 2017, 1596, 167-177. | 0.9 | 1 |
| 41 | Enhanced antigen detection in immunohistochemical staining using a â€˜digitizedâ€™ chimeric antibody. Protein Engineering, Design and Selection, 2015, 29, gzv054. | 2.1 | 0 |