

# Joachim Jose

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2713765/publications.pdf>

Version: 2024-02-01

196  
papers

4,772  
citations

109321

35  
h-index

149698

56  
g-index

203  
all docs

203  
docs citations

203  
times ranked

4445  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Molecular Plasticity of Crystalline CK2 <sup>±</sup> Leads to KN2, a Bivalent Inhibitor of Protein Kinase CK2 with Extraordinary Selectivity. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 1302-1312.  | 6.4  | 13        |
| 2  | Preparation of Bacterial Cell-Surface Displayed Semisynthetic. <i>Methods in Molecular Biology</i> , 2022, 2371, 193-213.   | 0.9  | 0         |
| 3  | One-step immunoassay for food allergens based on screened mimotopes from autodisplayed Fv-antibody library. <i>Biosensors and Bioelectronics</i> , 2022, 202, 113976.   | 10.1 | 12        |
| 4  | Structural and Enzymological Evidence for an Altered Substrate Specificity in Okur-Chung Neurodevelopmental Syndrome Mutant CK2 <sup>±</sup> Lys198Arg. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 831693.                                      | 3.5  | 3         |
| 5  | 4,5,7-Trisubstituted indeno[1,2-b]indole inhibits CK2 activity in tumor cells equivalent to CX4945 and shows strong anti-migratory effects. <i>FEBS Open Bio</i> , 2022, 12, 394-411.   | 2.3  | 2         |
| 6  | Sesquiterpene Lactones with Dual Inhibitory Activity against the <i>Trypanosoma brucei</i> Pteridine Reductase 1 and Dihydrofolate Reductase. <i>Molecules</i> , 2022, 27, 149.   | 3.8  | 7         |
| 7  | Covalently Immobilized Regenerable Immunoaffinity Layer with Orientation-Controlled Antibodies Based on Z-Domain Autodisplay. <i>International Journal of Molecular Sciences</i> , 2022, 23, 459.   | 4.1  | 9         |
| 8  | De novo variants of CSNK2B cause a new intellectual disability-craniodigital syndrome by disrupting the canonical Wnt signaling pathway. <i>Human Genetics and Genomics Advances</i> , 2022, 3, 100111.   | 1.7  | 7         |
| 9  | Development of a First-in-Class Small-Molecule Inhibitor of the C-Terminal Hsp90 Dimerization. <i>ACS Central Science</i> , 2022, 8, 636-655.   | 11.3 | 12        |
| 10 | Enzyme cascade converting cyclohexanol into $\epsilon$ -caprolactone coupled with NADPH recycling using surface displayed alcohol dehydrogenase and cyclohexanone monooxygenase on <i>E. coli</i> . <i>Microbial Biotechnology</i> , 2022, 15, 2235-2249. | 4.2  | 4         |
| 11 | Antibody-Mediated Screening of Peptide Inhibitors for Monoamine Oxidase-B (MAO-B) from an Autodisplayed F <sub>v</sub> Library. <i>Bioconjugate Chemistry</i> , 2022, 33, 1166-1178.  | 3.6  | 5         |
| 12 | Tetanus Toxin Fragment C: Structure, Drug Discovery Research and Production. <i>Pharmaceuticals</i> , 2022, 15, 756.  | 3.8  | 6         |
| 13 | Ninhydrins inhibit carbonic anhydrases directly binding to the metal ion. <i>European Journal of Medicinal Chemistry</i> , 2021, 209, 112875.   | 5.5  | 18        |
| 14 | Uncompetitive nanomolar dimeric indenoindole inhibitors of the human breast cancer resistance pump ABCG2. <i>European Journal of Medicinal Chemistry</i> , 2021, 211, 113017.   | 5.5  | 12        |
| 15 | Autodisplay of human PIP5K1 <sup>±</sup> lipid kinase on <i>Escherichia coli</i> and inhibitor testing. <i>Enzyme and Microbial Technology</i> , 2021, 143, 109717.   | 3.2  | 4         |
| 16 | Mechanistic basis of breast cancer resistance protein inhibition by new indeno[1,2-b]indoles. <i>Scientific Reports</i> , 2021, 11, 1788.   | 3.3  | 17        |
| 17 | Screening of Fv Antibodies with Specific Binding Activities to Monosodium Urate and Calcium Pyrophosphate Dihydrate Crystals for the Diagnosis of Gout and Pseudogout. <i>ACS Applied Bio Materials</i> , 2021, 4, 3388-3397.                             | 4.6  | 15        |
| 18 | In Silico and In Vitro Studies of Natural Compounds as Human CK2 Inhibitors. <i>Current Computer-Aided Drug Design</i> , 2021, 17, 323-331.   | 1.2  | 1         |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 19 | Highly Crystalline Post-Consumer PET Waste Hydrolysis by Surface Displayed PETase Using a Bacterial Whole-Cell Biocatalyst. <i>ChemCatChem</i> , 2021, 13, 3479-3489.                                       | 3.7  | 25        |
| 20 | Broad-Spectrum Anticancer Activity and Pharmacokinetic Properties of a Prenyloxy-Substituted Indeno[1,2-b]indole Derivative, Discovered as CK2 Inhibitor. <i>Pharmaceuticals</i> , 2021, 14, 542.           | 3.8  | 4         |
| 21 | Screening of biotin-binding Fv-antibodies from autodisplayed FV-library on E. coli outer membrane. <i>Analytica Chimica Acta</i> , 2021, 1169, 338627.  | 5.4  | 10        |
| 22 | Natural Compounds Isolated from <i>Stachybotrys chartarum</i> Are Potent Inhibitors of Human Protein Kinase CK2. <i>Molecules</i> , 2021, 26, 4453.   | 3.8  | 2         |
| 23 | [2.2]Paracyclophane-Based TCN-201 Analogs as GluN2A-Selective NMDA Receptor Antagonists. <i>ChemMedChem</i> , 2021, 16, 3201-3209.  | 3.2  | 5         |
| 24 | Label-free flow cytometry-based enzyme inhibitor identification. <i>Analytica Chimica Acta</i> , 2021, 1179, 338826.  | 5.4  | 3         |
| 25 | Fluorescein and Rhodamine B-Binding Domains from Autodisplayed Fv-Antibody Library. <i>Bioconjugate Chemistry</i> , 2021, 32, 2213-2223.  | 3.6  | 7         |
| 26 | Improving the autotransporter-based surface display of enzymes in <i>Pseudomonas putida</i> KT2440. <i>Microbial Biotechnology</i> , 2020, 13, 176-184.   | 4.2  | 14        |
| 27 | A modified flavonoid accelerates oligodendrocyte maturation and functional remyelination. <i>Glia</i> , 2020, 68, 263-279.  | 4.9  | 10        |
| 28 | Design, synthesis and biological evaluation of new embelin derivatives as CK2 inhibitors. <i>Bioorganic Chemistry</i> , 2020, 95, 103520.   | 4.1  | 13        |
| 29 | QSAR Model of Indeno[1,2-b]indole Derivatives and Identification of N-isopentyl-2-methyl-4,9-dioxo-4,9-Dihydronaphtho[2,3-b]furan-3-carboxamide as a Potent CK2 Inhibitor. <i>Molecules</i> , 2020, 25, 97. | 3.8  | 10        |
| 30 | Development of an in vitro screening assay for PIP5K1 $\alpha$ lipid kinase and identification of potent inhibitors. <i>FEBS Journal</i> , 2020, 287, 3042-3064.  | 4.7  | 4         |
| 31 | Root Extracts From <i>Ononis spinosa</i> Inhibit IL-8 Release via Interactions With Toll-Like Receptor 4 and Lipopolysaccharide. <i>Frontiers in Pharmacology</i> , 2020, 11, 889.                          | 3.5  | 9         |
| 32 | Tailor-made $\beta$ -glucosidase with increased activity at lower temperature without loss of stability and glucose tolerance. <i>Green Chemistry</i> , 2020, 22, 2234-2243.                                | 9.0  | 16        |
| 33 | Synthesis and SAR of Tetracyclic Inhibitors of Protein Kinase CK2 Derived from Furocarbazole W16. <i>ChemMedChem</i> , 2020, 15, 871-881.   | 3.2  | 4         |
| 34 | Structural and Mechanistic Basis of the Inhibitory Potency of Selected 2-Aminothiazole Compounds on Protein Kinase CK2. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 7766-7772.                        | 6.4  | 10        |
| 35 | Application of a thermophoretic immunoassay in the diagnosis of lupus using outer membrane particles from <i>E. coli</i> . <i>Biosensors and Bioelectronics</i> , 2020, 156, 112110.                        | 10.1 | 4         |
| 36 | Unexpected CK2 $\beta$ -antagonistic functionality of bisubstrate inhibitors targeting protein kinase CK2. <i>Bioorganic Chemistry</i> , 2020, 96, 103608.  | 4.1  | 14        |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 37 | Improved Surface Display of Human Hyal1 and Identification of Testosterone Propionate and Chicoric Acid as New Inhibitors. <i>Pharmaceuticals</i> , 2020, 13, 54.  | 3.8  | 7         |
| 38 | Cryptotanshinone from <i>Salvia miltiorrhiza</i> Roots Reduces Cytokeratin CK1/10 Expression in Keratinocytes by Activation of Peptidyl-prolyl-cis-trans-isomerase FKBP1A. <i>Planta Medica</i> , 2019, 85, 552-562.               | 1.3  | 7         |
| 39 | Cell density-dependent auto-inducible promoters for expression of recombinant proteins in <i>Pseudomonas putida</i> . <i>Microbial Biotechnology</i> , 2019, 12, 1003-1013.  | 4.2  | 8         |
| 40 | In Vitro and in Silico Evaluation of Bikaverin as a Potent Inhibitor of Human Protein Kinase CK2. <i>Molecules</i> , 2019, 24, 1380.   | 3.8  | 17        |
| 41 | Purification-independent immunoreagents obtained by displaying nanobodies on bacteria surface. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 4443-4453.   | 3.6  | 5         |
| 42 | Hyal-1 inhibitors from the leaves of <i>Phyllanthus muellerianus</i> (Kuntze) Excell. <i>Journal of Ethnopharmacology</i> , 2019, 236, 326-335.  | 4.1  | 4         |
| 43 | Diacritic Binding of an Indenoindole Inhibitor by CK2 $\pm$ Paralogs Explored by a Reliable Path to Atomic Resolution CK2 $\pm$ Structures. <i>ACS Omega</i> , 2019, 4, 5471-5478.   | 3.5  | 18        |
| 44 | Thermophoretic diagnosis of autoimmune diseases based on <i>Escherichia coli</i> with autodisplayed autoantigens. <i>Analytica Chimica Acta</i> , 2019, 1055, 106-114.   | 5.4  | 7         |
| 45 | High-Throughput, Lysis-Free Screening for Sulfatase Activity Using <i>Escherichia coli</i> Autodisplay in Microdroplets. <i>ACS Synthetic Biology</i> , 2019, 8, 2690-2700.  | 3.8  | 25        |
| 46 | Bacterial Cell Surface Display of Semisynthetic Cyclic Peptides. <i>ChemBioChem</i> , 2019, 20, 72-77.   | 2.6  | 16        |
| 47 | Human $\beta$ -S1-casein induces IL-8 secretion by binding to the ecto-domain of the TLR4/MD2 receptor complex. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 632-643.                                     | 2.4  | 11        |
| 48 | The workability of <i>Escherichia coli</i> BL21 (DE3) and <i>Pseudomonas putida</i> KT2440 expression platforms with autodisplayed cellulases: a comparison. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 4829-4841. | 3.6  | 14        |
| 49 | An optimal blend of single autodisplayed cellulases for cellulose saccharification—A proof of concept. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 2719-2728.  | 3.2  | 3         |
| 50 | A new family of densely functionalized fused-benzoquinones as potent human protein kinase CK2 inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2018, 144, 410-423.   | 5.5  | 14        |
| 51 | Inhibition of Shiga toxin-converting bacteriophage development by novel antioxidant compounds. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2018, 33, 639-650.  | 5.2  | 8         |
| 52 | Refolding of autodisplayed anti-NEF scFv through oxidation with glutathione for immunosensors. <i>Biosensors and Bioelectronics</i> , 2018, 102, 600-609.  | 10.1 | 7         |
| 53 | Thermophoretic immunoassay based on autodisplayed Z-domains for the diagnosis of C-reactive protein. <i>Sensors and Actuators B: Chemical</i> , 2018, 258, 1131-1137.  | 7.8  | 6         |
| 54 | Chirality-dependent cell adhesion and enrichment in Janus nanocomposite hydrogels. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 247-256.   | 3.3  | 21        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 55 | Orientation and density control of proteins on solid matters by outer membrane coating: Analytical and diagnostic applications. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 147, 174-184.  | 2.8 | 8         |
| 56 | A Regenerative Immunoaffinity Layer Based on the Outer Membrane of Z-Domains Autodisplaying E. coli for Immunoassays and Immunosensors. <i>Sensors</i> , 2018, 18, 4030.  | 3.8 | 4         |
| 57 | Isoflavonoids with inhibiting effects on human hyaluronidase-1 and norneolignan clitorienolactone B from <i>Ononis spinosa</i> L. root extract. <i>FÃ-toterapÃ-Ãç</i> , 2018, 130, 169-174.   | 2.2 | 19        |
| 58 | Self-Assembled Supramolecular Nanoparticles Improve the Cytotoxic Efficacy of CK2 Inhibitor THN7. <i>Pharmaceuticals</i> , 2018, 11, 10.  | 3.8 | 5         |
| 59 | A Î-Halogen Bond of Dibenzofuranones with the Gatekeeper Phe113 in Human Protein Kinase CK2 Leads to Potent Tight Binding Inhibitors. <i>Pharmaceuticals</i> , 2018, 11, 23.  | 3.8 | 6         |
| 60 | Direct optical density determination of bacterial cultures in microplates for high-throughput screening applications. <i>Enzyme and Microbial Technology</i> , 2018, 118, 1-5.  | 3.2 | 31        |
| 61 | Targeting HSP90 dimerization via the C terminus is effective in imatinib-resistant CML and lacks the heat shock response. <i>Blood</i> , 2018, 132, 307-320.  | 1.4 | 66        |
| 62 | Phytochemical Characterization of Low Molecular Weight Constituents from Marshmallow Roots ( <i>Althaea officinalis</i> ) and Inhibiting Effects of the Aqueous Extract on Human Hyaluronidase-1. <i>Journal of Natural Products</i> , 2017, 80, 290-297. | 3.0 | 21        |
| 63 | Autodisplay of the La/SSB protein on LPS-free E. coli for the diagnosis of SjÃgrenâ€™s syndrome. <i>Enzyme and Microbial Technology</i> , 2017, 100, 1-10.  | 3.2 | 9         |
| 64 | Autodisplay of glucoseâ€phosphate dehydrogenase for redox cofactor regeneration at the cell surface. <i>Biotechnology and Bioengineering</i> , 2017, 114, 1658-1669.  | 3.3 | 13        |
| 65 | Autotransporterâ€Based Surface Display of Hemicellulases on <i>Pseudomonas putida</i> : Wholeâ€Cell Biocatalysts for the Degradation of Biomass. <i>ChemCatChem</i> , 2017, 9, 3955-3964.   | 3.7 | 10        |
| 66 | Lignocellulases: a review of emerging and developing enzymes, systems, and practices. <i>Bioresources and Bioprocessing</i> , 2017, 4, .  | 4.2 | 108       |
| 67 | Development of a wash-free immunoassay using <i>Escherichia coli</i> cells with autodisplayed Z-domains. <i>Analyst</i> , The, 2017, 142, 1720-1728.  | 3.5 | 16        |
| 68 | Ser71 of ÎS1â€Casein is Phosphorylated in Breast Milkâ€Evidence from Targeted Mass Analysis. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1700496.  | 3.3 | 4         |
| 69 | Chirality-dependent cellular uptake of chiral nanocarriers and intracellular delivery of different amounts of guest molecules. <i>Applied Surface Science</i> , 2017, 425, 432-439.   | 6.1 | 19        |
| 70 | Improving the activity of surface displayed cytochrome P450 enzymes by optimizing the outer membrane linker. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017, 1859, 104-116.   | 2.6 | 19        |
| 71 | Activity control of autodisplayed proteins on the same outer membrane layer of E. coli by using Z-domain/streptavidin/and lipase/foldase systems. <i>Enzyme and Microbial Technology</i> , 2017, 96, 85-95.   | 3.2 | 7         |
| 72 | Unexpected Binding Mode of a Potent Indeno[1,2-b]indole-Type Inhibitor of Protein Kinase CK2 Revealed by Complex Structures with the Catalytic Subunit CK2Î± and Its Paralog CK2Î±â€². <i>Pharmaceuticals</i> , 2017, 10, 98.                             | 3.8 | 13        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 73 | In Silico Identification and In Vitro Evaluation of Natural Inhibitors of Leishmania major Pteridine Reductase I. <i>Molecules</i> , 2017, 22, 2166.  | 3.8 | 14        |
| 74 | Identification of a Potent Allosteric Inhibitor of Human Protein Kinase CK2 by Bacterial Surface Display Library Screening. <i>Pharmaceuticals</i> , 2017, 10, 6.   | 3.8 | 8         |
| 75 | An Updated View on an Emerging Target: Selected Papers from the 8th International Conference on Protein Kinase CK2. <i>Pharmaceuticals</i> , 2017, 10, 33.  | 3.8 | 1         |
| 76 | Development of Pharmacophore Model for Indeno[1,2-b]indoles as Human Protein Kinase CK2 Inhibitors and Database Mining. <i>Pharmaceuticals</i> , 2017, 10, 8.   | 3.8 | 26        |
| 77 | 1st Joint European Conference on Therapeutic Targets and Medicinal Chemistry (TTMC 2015). <i>Pharmaceuticals</i> , 2016, 9, 1.  | 3.8 | 31        |
| 78 | Site-Specific Labeling of Protein Kinase CK2: Combining Surface Display and Click Chemistry for Drug Discovery Applications. <i>Pharmaceuticals</i> , 2016, 9, 36.  | 3.8 | 13        |
| 79 | Human casein alpha s1 induces proinflammatory cytokine expression in monocytic cells by TLR4 signaling. <i>Molecular Nutrition and Food Research</i> , 2016, 60, 1079-1089.   | 3.3 | 16        |
| 80 | Screening of indeno[1,2- <i>b</i> ]indoloquinones by MALDI-MS: a new set of potential CDC25 phosphatase inhibitors brought to light. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 25-32.   | 5.2 | 9         |
| 81 | Targeting acute myeloid leukemia with a small molecule inhibitor of the Myb/p300 interaction. <i>Blood</i> , 2016, 127, 1173-1182.  | 1.4 | 83        |
| 82 | A magnetite suspension-based washing method for immunoassays using <i>Escherichia coli</i> cells with autodeployed Z-domains. <i>Enzyme and Microbial Technology</i> , 2016, 92, 1-8.   | 3.2 | 8         |
| 83 | Proof of concept for the simplified breakdown of cellulose by combining <i>Pseudomonas putida</i> strains with surface displayed thermophilic endocellulase, exocellulase and I <sup>2</sup> -glucosidase. <i>Microbial Cell Factories</i> , 2016, 15, 103. | 4.0 | 33        |
| 84 | Microbead-based immunoassay using the outer membrane layer of <i>Escherichia coli</i> combined with autodeployed Z-domains. <i>Applied Surface Science</i> , 2016, 362, 146-153.  | 6.1 | 7         |
| 85 | Co-expression of active human cytochrome P450 1A2 and cytochrome P450 reductase on the cell surface of <i>Escherichia coli</i> . <i>Microbial Cell Factories</i> , 2016, 15, 26.  | 4.0 | 34        |
| 86 | Design and biological testing of peptidic dimerization inhibitors of human Hsp90 that target the C-terminal domain. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 1043-1055.  | 2.4 | 18        |
| 87 | Toward selective CK2 $\alpha$ and CK2 $\alpha$ ™ inhibitors: Development of a novel whole-cell kinase assay by Autodisplay of catalytic CK2 $\alpha$ ™. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 121, 253-260.                      | 2.8 | 15        |
| 88 | Functional display of heterotetrameric human protein kinase CK2 on <i>Escherichia coli</i> : a novel tool for drug discovery. <i>Microbial Cell Factories</i> , 2015, 14, 74.   | 4.0 | 22        |
| 89 | Maximized Autotransporter Mediated Expression (MATE) for Surface Display and Secretion of Recombinant Proteins in <i>Escherichia coli</i> . <i>Food Technology and Biotechnology</i> , 2015, 53, 251-260.   | 2.1 | 20        |
| 90 | Autodisplay of Human Hyaluronidase Hyal-1 on <i>Escherichia coli</i> and Identification of Plant-Derived Enzyme Inhibitors. <i>Molecules</i> , 2015, 20, 15449-15468.   | 3.8 | 12        |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 91  | In Silico Identification and in Vitro Activity of Novel Natural Inhibitors of Trypanosoma brucei Glyceraldehyde-3-phosphate-dehydrogenase. <i>Molecules</i> , 2015, 20, 16154-16169.                               | 3.8  | 18        |
| 92  | Phenolic indeno[1,2-b]indoles as ABCG2-selective potent and non-toxic inhibitors stimulating basal ATPase activity. <i>Drug Design, Development and Therapy</i> , 2015, 9, 3481.                                   | 4.3  | 18        |
| 93  | Co-autodisplay of Z-domains and bovine caseins on the outer membrane of E. coli. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 3126-3133.  | 2.6  | 11        |
| 94  | Isolation and characterization of the outer membrane of Escherichia coli with autodisplayed Z-domains. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 842-847.                                  | 2.6  | 51        |
| 95  | Going beyond E. coli: autotransporter based surface display on alternative host organisms. <i>New Biotechnology</i> , 2015, 32, 644-650.   | 4.4  | 24        |
| 96  | Microwave-assisted oxidation of indan-1-ones into ninhydrins. <i>Tetrahedron Letters</i> , 2015, 56, 1840-1842.  | 1.4  | 15        |
| 97  | Synthesis, Biological Evaluation and Molecular Modeling of Substituted Indeno[1,2-b]indoles as Inhibitors of Human Protein Kinase CK2. <i>Pharmaceuticals</i> , 2015, 8, 279-302.                                  | 3.8  | 29        |
| 98  | Naphthol AS-E Phosphate Inhibits the Activity of the Transcription Factor Myb by Blocking the Interaction with the KIX Domain of the Coactivator p300. <i>Molecular Cancer Therapeutics</i> , 2015, 14, 1276-1285. | 4.1  | 60        |
| 99  | Electrochemical analysis of autodisplayed adrenodoxin (Adx) on the outer membrane of E. coli. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 1509-1513.   | 2.6  | 8         |
| 100 | Biologically active carbazole derivatives: focus on oxazinocarbazoles and related compounds. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2015, 30, 180-188.                                      | 5.2  | 17        |
| 101 | Quantification of Î±S1-casein in breast milk using a targeted mass spectrometry-based approach. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 103, 52-58.                                       | 2.8  | 19        |
| 102 | Converting Potent Indeno[1,2-b]indole Inhibitors of Protein Kinase CK2 into Selective Inhibitors of the Breast Cancer Resistance Protein ABCG2. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 265-277.         | 6.4  | 61        |
| 103 | Autotransporter mediated esterase display on Zymomonas mobilis and Zymobacter palmae. <i>Journal of Biotechnology</i> , 2014, 191, 228-235.  | 3.8  | 16        |
| 104 | Ultrasonic isolation of the outer membrane of Escherichia coli with autodisplayed Z-domains. <i>Enzyme and Microbial Technology</i> , 2014, 66, 42-47.   | 3.2  | 15        |
| 105 | Microarray based on autodisplayed Ro proteins for medical diagnosis of systemic lupus erythematosus (SLE). <i>Biosensors and Bioelectronics</i> , 2014, 57, 213-218.   | 10.1 | 29        |
| 106 | Synthesis, biological evaluation and molecular docking studies of benzyloxyacetohydroxamic acids as LpxC inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 1016-1028.                              | 3.0  | 18        |
| 107 | Escherichia coli kduD encodes an oxidoreductase that converts both sugar and steroid substrates. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 5471-5485.  | 3.6  | 9         |
| 108 | Autodisplay for the co-expression of lipase and foldase on the surface of E. coli: washing with designer bugs. <i>Microbial Cell Factories</i> , 2014, 13, 19.   | 4.0  | 35        |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 109 | Development of a surface display ELISA to detect anti-IgG antibodies against bovine $\beta$ -casein in human sera. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 96, 144-150.                           | 2.8  | 8         |
| 110 | Bacterial whole-cell biocatalysts by surface display of enzymes: toward industrial application. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 8031-8046.   | 3.6  | 115       |
| 111 | FACS-based immunoassay of troponin-I using <i>E. coli</i> cells with autodeployed Z-domains. <i>Analytical Methods</i> , 2014, 6, 1700-1708.   | 2.7  | 12        |
| 112 | Crystal structure of the transport unit of the autotransporter adhesin involved in diffuse adherence from <i>Escherichia coli</i> . <i>Journal of Structural Biology</i> , 2014, 187, 20-29.                               | 2.8  | 30        |
| 113 | Synthesis and biological evaluation of flexible and conformationally constrained LpxC inhibitors. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 6056.  | 2.8  | 30        |
| 114 | Autodisplay of nitrilase from <i>Klebsiella pneumoniae</i> and whole-cell degradation of oxynil herbicides and related compounds. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 4887-4896.                     | 3.6  | 20        |
| 115 | Optimization of a FACS based-immunoassay using <i>E. coli</i> autodeploying Z-domains. <i>Biochip Journal</i> , 2013, 7, 173-179.  | 4.9  | 6         |
| 116 | A carbon nanotube metal semiconductor field effect transistor-based biosensor for detection of amyloid-beta in human serum. <i>Biosensors and Bioelectronics</i> , 2013, 50, 345-350.                                      | 10.1 | 118       |
| 117 | Magnetic-bead-based immunoassay using <i>E. coli</i> cells with autodeployed Z-domains. <i>Enzyme and Microbial Technology</i> , 2013, 53, 118-122.  | 3.2  | 13        |
| 118 | Flow cytometric immunoassay using <i>E. coli</i> with autodeployed Z-domains. <i>Enzyme and Microbial Technology</i> , 2013, 53, 181-188.  | 3.2  | 20        |
| 119 | <sup>1</sup> H and <sup>13</sup> C NMR assignments of bioactive indeno[1,2- <i>b</i> ]indole-1-one derivatives. <i>Magnetic Resonance in Chemistry</i> , 2013, 51, 837-841.  | 1.9  | 3         |
| 120 | Human casein alpha s1 (CSN1S1) skews in vitro differentiation of monocytes towards macrophages. <i>BMC Immunology</i> , 2013, 14, 46.  | 2.2  | 15        |
| 121 | Indenoindoles and cyclopentacarbazoles as bioactive compounds: Synthesis and biological applications. <i>European Journal of Medicinal Chemistry</i> , 2013, 69, 465-479.  | 5.5  | 43        |
| 122 | Development of novel LpxC inhibitors: chiral-pool synthesis of $\beta$ -triazolyl glycosides. <i>Tetrahedron</i> , 2013, 69, 9434-9442.  | 1.9  | 13        |
| 123 | Preparation and characterization of CK2 inhibitor-loaded cyclodextrin nanoparticles for drug delivery. <i>International Journal of Pharmaceutics</i> , 2013, 441, 491-498.   | 5.2  | 21        |
| 124 | First Structure of Protein Kinase CK2 Catalytic Subunit with an Effective CK2 <sup>2</sup> -Competitive Ligand. <i>ACS Chemical Biology</i> , 2013, 8, 901-907.  | 3.4  | 39        |
| 125 | Synthesis and biological evaluation of novel substituted pyrrolo[1,2- <i>a</i> ]quinoxaline derivatives as inhibitors of the human protein kinase CK2. <i>European Journal of Medicinal Chemistry</i> , 2013, 65, 205-222. | 5.5  | 83        |
| 126 | Structural comparison of the transport units of type V secretion systems. <i>Biological Chemistry</i> , 2013, 394, 1385-1398.  | 2.5  | 13        |



| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 127 | Purification, crystallization and preliminary X-ray crystallographic analysis of the transport unit of the monomeric autotransporter AIDA-I from <i>Escherichia coli</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2013, 69, 1159-1162. | 0.7 | 2         |
| 128 | N-substituted Indole-2 and 3-carboxamide derivatives as inhibitors of human protein kinase CK2: in vitro assay and molecular modelling study. <i>Acta Chimica Slovenica</i> , 2013, 60, 628-35.  | 0.6 | 1         |
| 129 | Autodisplay of enzymes – Molecular basis and perspectives. <i>Journal of Biotechnology</i> , 2012, 161, 92-103.  | 3.8 | 63        |
| 130 | Electrochemical ELISA based on <i>Escherichia coli</i> with autodisplayed Z-domains. <i>Sensors and Actuators B: Chemical</i> , 2012, 175, 46-52.  | 7.8 | 27        |
| 131 | TF – A novel cell-permeable and selective inhibitor of human protein kinase CK2 induces apoptosis in the prostate cancer cell line LNCaP. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2012, 1820, 970-977.   | 2.4 | 26        |
| 132 | Novel indeno[1,2-b]indoloquinones as inhibitors of the human protein kinase CK2 with antiproliferative activity towards a broad panel of cancer cell lines. <i>Biochemical and Biophysical Research Communications</i> , 2012, 424, 71-75.                                   | 2.1 | 28        |
| 133 | Autodisplay of functional CYP106A2 in <i>Escherichia coli</i> . <i>Journal of Biotechnology</i> , 2012, 161, 104-112.  | 3.8 | 36        |
| 134 | Expression of active human P450 3A4 on the cell surface of <i>Escherichia coli</i> by Autodisplay. <i>Journal of Biotechnology</i> , 2012, 161, 113-120.   | 3.8 | 30        |
| 135 | SPR biosensor based on immobilized <i>E. coli</i> cells with autodisplayed Z-domains. <i>Biochip Journal</i> , 2012, 6, 221-228.   | 4.9 | 23        |
| 136 | Autoantibodies to $\beta$ -S1-Casein Are Induced by Breast-Feeding. <i>PLoS ONE</i> , 2012, 7, e32716.   | 2.5 | 14        |
| 137 | Indeno[1,2-b]indole derivatives as a novel class of potent human protein kinase CK2 inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 2282-2289.   | 3.0 | 74        |
| 138 | Electrochemical ELISA Based on <i>E. Coli</i> with Autodisplayed Z-Domains. <i>Procedia Engineering</i> , 2011, 25, 944-947.   | 1.2 | 3         |
| 139 | Immobilization of <i>E. coli</i> with autodisplayed Z-domains to a surface-modified microplate for immunoassay. <i>Analytica Chimica Acta</i> , 2011, 707, 142-147.  | 5.4 | 34        |
| 140 | Autodisplay of catalytically active human hyaluronidase hPH-20 and testing of enzyme inhibitors. <i>European Journal of Pharmaceutical Sciences</i> , 2011, 42, 138-147.   | 4.0 | 21        |
| 141 | Autodisplay of Nitrilase from <i>Alcaligenes faecalis</i> in <i>E. coli</i> Yields a Whole Cell Biocatalyst for the Synthesis of Enantiomerically Pure (R)-Mandelic Acid. <i>ChemCatChem</i> , 2011, 3, 719-725.   | 3.7 | 27        |
| 142 | Development of a Whole Cell Biocatalyst for the Efficient Prenylation of Indole Derivatives by Autodisplay of the Aromatic Prenyltransferase FgaPT2. <i>ChemCatChem</i> , 2011, 3, 1200-1207.  | 3.7 | 20        |
| 143 | Identification of novel CK2 inhibitors with a benzofuran scaffold by novel non-radiometric in vitro assays. <i>Molecular and Cellular Biochemistry</i> , 2011, 356, 83-90.   | 3.1 | 5         |
| 144 | SPR biosensor by using <i>E. coli</i> outer membrane layer with autodisplayed Z-domains. <i>Sensors and Actuators B: Chemical</i> , 2011, 154, 82-88.  | 7.8 | 33        |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 145 | Autodisplay of streptavidin. <i>Enzyme and Microbial Technology</i> , 2011, 48, 307-311.   | 3.2  | 29        |
| 146 | A novel application of DDQ as electrophile in the Nenitzescu reaction. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 2666-2674.  | 3.0  | 22        |
| 147 | Casein $\kappa$ s1 Is Expressed by Human Monocytes and Upregulates the Production of GM-CSF via p38 MAPK. <i>Journal of Immunology</i> , 2011, 186, 592-601.   | 0.8  | 30        |
| 148 | Focusing Mutations Within Random Libraries to Distinct Areas: Protein Domain Library Generation by Overlap Extension. <i>Methods in Molecular Biology</i> , 2011, 729, 153-166.  | 0.9  | 2         |
| 149 | Structure-Activity Evaluation of N-benzyl-5-substituted Indole-3-imine Derivatives and their Amine Congeners as Bovine Testicular Hyaluronidase (BTH) Inhibitor. <i>Letters in Drug Design and Discovery</i> , 2011, 8, 685-690. | 0.7  | 0         |
| 150 | E. coli outer membrane with autodisplayed Z-domain as a molecular recognition layer of SPR biosensor. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1225-1228.  | 10.1 | 52        |
| 151 | A CEâ€based assay for human protein kinase CK2 activity measurement and inhibitor screening. <i>Electrophoresis</i> , 2010, 31, 634-640.   | 2.4  | 52        |
| 152 | Hypersensitive immunoassay by using Escherichia coli outer membrane with autodisplayed Z-domains. <i>Enzyme and Microbial Technology</i> , 2010, 46, 309-314.  | 3.2  | 37        |
| 153 | Autodisplay of 60-kDa Ro/SS-A antigen and development of a surface display enzyme-linked immunosorbent assay for systemic lupus erythematosus patient sera screening. <i>Analytical Biochemistry</i> , 2010, 407, 72-78.         | 2.4  | 27        |
| 154 | Highly sensitive immunoassay based on E. coli with autodisplayed Z-domain. <i>Analytica Chimica Acta</i> , 2010, 667, 113-118.   | 5.4  | 33        |
| 155 | Investigation of Aminomethyl Indole Derivatives as Hyaluronidase Inhibitors. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2010, 65, 445-450.   | 1.4  | 4         |
| 156 | 81: Targeting casein kinase 2 in drug discovery: identification of new chemical entities. <i>Bulletin Du Cancer</i> , 2010, 97, S68.   | 1.6  | 0         |
| 157 | A FRET-based microplate assay for human protein kinase CK2, a target in neoplastic disease. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2010, 25, 234-239.   | 5.2  | 8         |
| 158 | E.coli outer membrane with autodisplayed Z-domain as a molecular recognition layer of SPR biosensor. <i>Procedia Chemistry</i> , 2009, 1, 1475-1478.   | 0.7  | 0         |
| 159 | Escherichia coli with autodisplayed Z-domain of protein A for signal amplification of SPR biosensor. <i>Biosensors and Bioelectronics</i> , 2009, 24, 1324-1329.   | 10.1 | 57        |
| 160 | Nile blue A for staining Escherichia coli in flow cytometer experiments. <i>Analytical Biochemistry</i> , 2009, 384, 194-196.  | 2.4  | 14        |
| 161 | Protein domain library generation by overlap extension (PDLGO): A tool for enzyme engineering. <i>Analytical Biochemistry</i> , 2008, 378, 171-176.  | 2.4  | 18        |
| 162 | Comparative Studies on Conventional and Microwave Synthesis of Some Benzimidazole, Benzothiazole and Indole Derivatives and Testing on Inhibition of Hyaluronidase. <i>Molecules</i> , 2008, 13, 736-748.                        | 3.8  | 56        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 163 | Indole carboxamides inhibit bovine testes hyaluronidase at pH 7.0 and indole acetamides activate the enzyme at pH 3.5 by different mechanisms. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2008, 23, 719-727.            | 5.2 | 7         |
| 164 | Esterase Autodisplay: Enzyme Engineering and Whole-Cell Activity Determination in Microplates with pH Sensors. <i>Applied and Environmental Microbiology</i> , 2008, 74, 4782-4791.  | 3.1 | 33        |
| 165 | A Microplate based Screening of Benzimidazole Derivatives on Hyaluronidase Inhibition at PH 7 and 3.5. <i>Letters in Drug Design and Discovery</i> , 2007, 4, 562-569.   | 0.7 | 6         |
| 166 | The Autodisplay Story, from Discovery to Biotechnical and Biomedical Applications. <i>Microbiology and Molecular Biology Reviews</i> , 2007, 71, 600-619.  | 6.6 | 186       |
| 167 | Synthesis and Biological Evaluation of 3-(Substituted-benzylidene)-1,3-dihydro-indolin Derivatives as Human Protein Kinase CK2 and p60c-Src Tyrosine Kinase Inhibitors. <i>Biological and Pharmaceutical Bulletin</i> , 2007, 30, 715-718. | 1.4 | 35        |
| 168 | Biocatalytic synthesis of 4-pregnen-20,21-diol-3-one, a selective inhibitor of human 5 $\alpha$ -reductase type II. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2007, 22, 570-576.                                       | 5.2 | 2         |
| 169 | Research Letter: New Potent Indole Derivatives as Hyaluronidase Inhibitors. <i>Chemical Biology and Drug Design</i> , 2007, 70, 547-551.   | 3.2 | 21        |
| 170 | Autodisplay: efficient bacterial surface display of recombinant proteins. <i>Applied Microbiology and Biotechnology</i> , 2006, 69, 607-614.   | 3.6 | 112       |
| 171 | Bacterial surface display library screening by target enzyme labeling: Identification of new human cathepsin G inhibitors. <i>Analytical Biochemistry</i> , 2005, 346, 258-267.  | 2.4 | 41        |
| 172 | 5 $\alpha$ -reductase in human embryonic kidney cell line HEK293: Evidence for type II enzyme expression and activity. <i>Molecular and Cellular Biochemistry</i> , 2005, 270, 201-208.  | 3.1 | 11        |
| 173 | Autodisplay of the protease inhibitor aprotinin in <i>Escherichia coli</i> . <i>Biochemical and Biophysical Research Communications</i> , 2005, 333, 1218-1226.  | 2.1 | 41        |
| 174 | â€œCystope taggingâ€•for labeling and detection of recombinant protein expression. <i>Analytical Biochemistry</i> , 2004, 331, 267-274.  | 2.4 | 15        |
| 175 | Discovery of Inhibitors of MCF-7 Tumor Cell Adhesion to Endothelial Cells and Investigation on their Mode of Action. <i>Archiv Der Pharmazie</i> , 2004, 337, 687-694.   | 4.1 | 2         |
| 176 | Autodisplay of Active Sorbitol Dehydrogenase (SDH) Yields a Whole Cell Biocatalyst for the Synthesis of Rare Sugars. <i>ChemBioChem</i> , 2004, 5, 491-499.  | 2.6 | 61        |
| 177 | Esterase EstE from <i>Xanthomonas vesicatoria</i> (Xv_EstE) is an outer membrane protein capable of hydrolyzing long-chain polar esters. <i>Applied Microbiology and Biotechnology</i> , 2003, 61, 479-487.                                | 3.6 | 23        |
| 178 | Monitoring the Cellular Surface Display of Recombinant Proteins by Cysteine Labeling and Flow Cytometry. <i>ChemBioChem</i> , 2003, 4, 396-405.  | 2.6 | 26        |
| 179 | Cellular surface display of dimeric Adx and whole cell P450-mediated steroid synthesis on <i>E. coli</i> . <i>Journal of Biotechnology</i> , 2002, 95, 257-268.  | 3.8 | 74        |
| 180 | Inhibition of CYP 17, a New Strategy for the Treatment of Prostate Cancer. <i>Archiv Der Pharmazie</i> , 2002, 335, 119-128.   | 4.1 | 57        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 181 | Functional esterase surface display by the autotransporter pathway in Escherichia coli. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2002, 18, 89-97.  | 1.8 | 49        |
| 182 | Stable expression of human 5 $\alpha$ -reductase type II in COS1 cells due to chromosomal gene integration: a novel tool for inhibitor identification. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2001, 78, 275-284.   | 2.5 | 8         |
| 183 | No effect of thromboxane A2 on the attachment of tumor cell lines MDA MB 231, DU145, and U937 to the basement membrane in an in-vitro model.. <i>Journal of Cancer Research and Clinical Oncology</i> , 2001, 127, 751-754.  | 2.5 | 3         |
| 184 | Functional Display of Active Bovine Adrenodoxin on the Surface of E. coli by Chemical Incorporation of the [2Fe $\mu$ S] Cluster. <i>ChemBioChem</i> , 2001, 2, 695-701.   | 2.6 | 58        |
| 185 | Title is missing!. <i>Biotechnology Letters</i> , 2001, 23, 1263-1267.   | 2.2 | 1         |
| 186 | Stable Expression of the Human 5 $\alpha$ -Reductase Isoenzymes Type I and Type II in HEK293 Cells to Identify Dual and Selective Inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2001, 16, 47-53.   | 0.5 | 15        |
| 187 | 5 $\alpha$ -Reductase in Intact DU145 Cells: Evidence for Isozyme I and Evaluation of Novel Inhibitors. <i>Archiv Der Pharmazie</i> , 2000, 333, 201-204.  | 4.1 | 20        |
| 188 | Human T-Cell Response to Meningococcal Immunoglobulin A1 Protease Associated alpha-Proteins. <i>Scandinavian Journal of Immunology</i> , 2000, 51, 176-185.  | 2.7 | 14        |
| 189 | Development of a simple and rapid assay for the evaluation of inhibitors of human 17 $\alpha$ -hydroxylase-C17,20-lyase (P450cl7) by coexpression of P450cl7 with NADPH-cytochrome-P450-reductase in Escherichia coli. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2000, 75, 57-63. | 2.5 | 74        |
| 190 | Synthesis and Evaluation of Novel Steroidal Oxime Inhibitors of P450 17 (17 $\alpha$ -Hydroxylase/C17 $\alpha$ -20-Lyase) and 5 $\alpha$ -Reductase Types 1 and 2. <i>Journal of Medicinal Chemistry</i> , 2000, 43, 4266-4277.  | 6.4 | 84        |
| 191 | Characterization of the Essential Transport Function of the AIDA-I Autotransporter and Evidence Supporting Structural Predictions. <i>Journal of Bacteriology</i> , 1999, 181, 7014-7020.  | 2.2 | 106       |
| 192 | Autodisplay: one-component system for efficient surface display and release of soluble recombinant proteins from Escherichia coli. <i>Journal of Bacteriology</i> , 1997, 179, 794-804.  | 2.2 | 202       |
| 193 | Absence of periplasmic DsbA oxidoreductase facilitates export of cysteine-containing passenger proteins to the Escherichia coli cell surface via the IgaI <sup>2</sup> autotransporter pathway. <i>Gene</i> , 1996, 178, 107-110.  | 2.2 | 93        |
| 194 | Threonine is present instead of cysteine at the active site of urease from Staphylococcus xylosus. <i>Archives of Microbiology</i> , 1994, 161, 384-392.   | 2.2 | 25        |
| 195 | Purification and subunit determination of the nickel-dependent Staphylococcus xylosus urease. <i>FEMS Microbiology Letters</i> , 1991, 80, 271-275.  | 1.8 | 23        |
| 196 | Cloning and expression of various staphylococcal genes encoding urease in Staphylococcus carnosus. <i>FEMS Microbiology Letters</i> , 1991, 80, 277-281.   | 1.8 | 20        |