

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

109137

35
h-index

149479

56
g-index

203
all docs

203
docs citations

203
times ranked

4445
citing authors

#	ARTICLE	IF	CITATIONS
1	Autodisplay: one-component system for efficient surface display and release of soluble recombinant proteins from <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 1997, 179, 794-804.	1.0	202
2	The Autodisplay Story, from Discovery to Biotechnical and Biomedical Applications. <i>Microbiology and Molecular Biology Reviews</i> , 2007, 71, 600-619.	2.9	186
3	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.	5.3	118
4	Bacterial whole-cell biocatalysts by surface display of enzymes: toward industrial application. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 8031-8046.	1.7	115
5	Autodisplay: efficient bacterial surface display of recombinant proteins. <i>Applied Microbiology and Biotechnology</i> , 2006, 69, 607-614.	1.7	112
6	Lignocellulases: a review of emerging and developing enzymes, systems, and practices. <i>Bioresources and Bioprocessing</i> , 2017, 4, .	2.0	108
7	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.	1.0	106
8	Absence of periplasmic DsbA oxidoreductase facilitates export of cysteine-containing passenger proteins to the <i>Escherichia coli</i> cell surface via the IgaI ² autotransporter pathway. <i>Gene</i> , 1996, 178, 107-110.	1.0	93
9	Synthesis and Evaluation of Novel Steroidal Oxime Inhibitors of P450 17 (17 α -Hydroxylase/C17 α -20-Lyase) and 5 α -Reductase Types 1 and 2. <i>Journal of Medicinal Chemistry</i> , 2000, 43, 4266-4277.	2.9	84
10	Synthesis and biological evaluation of novel substituted pyrrolo[1,2-a]quinoxaline derivatives as inhibitors of the human protein kinase CK2. <i>European Journal of Medicinal Chemistry</i> , 2013, 65, 205-222.	2.6	83
11	Targeting acute myeloid leukemia with a small molecule inhibitor of the Myb/p300 interaction. <i>Blood</i> , 2016, 127, 1173-1182.	0.6	83
12	Development of a simple and rapid assay for the evaluation of inhibitors of human 17 α -hydroxylase-C17,20-lyase (P450cl7) by coexpression of P450cl7 with NADPH-cytochrome-P450-reductase in <i>Escherichia coli</i> . <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2000, 75, 57-63.	1.2	74
13	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.	1.9	74
14	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.	1.4	74
15	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.	0.6	66
16	Autodisplay of enzymes – Molecular basis and perspectives. <i>Journal of Biotechnology</i> , 2012, 161, 92-103.	1.9	63
17	Autodisplay of Active Sorbitol Dehydrogenase (SDH) Yields a Whole Cell Biocatalyst for the Synthesis of Rare Sugars. <i>ChemBioChem</i> , 2004, 5, 491-499.	1.3	61
18	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.	2.9	61

#	ARTICLE	IF	CITATIONS
19	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.	1.9	60
20	Functional Display of Active Bovine Adrenodoxin on the Surface of E. coli by Chemical Incorporation of the [2Fe-2S] Cluster. <i>ChemBioChem</i> , 2001, 2, 695-701.	1.3	58
21	Inhibition of CYP 17, a New Strategy for the Treatment of Prostate Cancer. <i>Archiv Der Pharmazie</i> , 2002, 335, 119-128.	2.1	57
22	Escherichia coli with autodisplayed Z-domain of protein A for signal amplification of SPR biosensor. <i>Biosensors and Bioelectronics</i> , 2009, 24, 1324-1329.	5.3	57
23	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.	1.7	56
24	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.	5.3	52
25	A CE-based assay for human protein kinase CK2 activity measurement and inhibitor screening. <i>Electrophoresis</i> , 2010, 31, 634-640.	1.3	52
26	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.	1.4	51
27	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
28	Indenoindoles and cyclopentacarbazoles as bioactive compounds: Synthesis and biological applications. <i>European Journal of Medicinal Chemistry</i> , 2013, 69, 465-479.	2.6	48
29	Bacterial surface display library screening by target enzyme labeling: Identification of new human cathepsin G inhibitors. <i>Analytical Biochemistry</i> , 2005, 346, 258-267.	1.1	41
30	Autodisplay of the protease inhibitor aprotinin in Escherichia coli. <i>Biochemical and Biophysical Research Communications</i> , 2005, 333, 1218-1226.	1.0	41
31	First Structure of Protein Kinase CK2 Catalytic Subunit with an Effective CK2 ² -Competitive Ligand. <i>ACS Chemical Biology</i> , 2013, 8, 901-907.	1.6	39
32	Hypersensitive immunoassay by using Escherichia coli outer membrane with autodisplayed Z-domains. <i>Enzyme and Microbial Technology</i> , 2010, 46, 309-314.	1.6	37
33	Autodisplay of functional CYP106A2 in Escherichia coli. <i>Journal of Biotechnology</i> , 2012, 161, 104-112.	1.9	36
34	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.	0.6	35
35	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.	1.9	35
36	Immobilization of E. coli with autodisplayed Z-domains to a surface-modified microplate for immunoassay. <i>Analytica Chimica Acta</i> , 2011, 707, 142-147.	2.6	34

#	ARTICLE	IF	CITATIONS
37	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.	1.9	34
38	Esterase Autodisplay: Enzyme Engineering and Whole-Cell Activity Determination in Microplates with pH Sensors. <i>Applied and Environmental Microbiology</i> , 2008, 74, 4782-4791.	1.4	33
39	Highly sensitive immunoassay based on <i>E. coli</i> with autodisplayed Z-domain. <i>Analytica Chimica Acta</i> , 2010, 667, 113-118.	2.6	33
40	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.	4.0	33
41	Proof of concept for the simplified breakdown of cellulose by combining <i>Pseudomonas putida</i> strains with surface displayed thermophilic endocellulase, exocellulase and β -glucosidase. <i>Microbial Cell Factories</i> , 2016, 15, 103.	1.9	33
42	1st Joint European Conference on Therapeutic Targets and Medicinal Chemistry (TTMC 2015). <i>Pharmaceuticals</i> , 2016, 9, 1.	1.7	31
43	Direct optical density determination of bacterial cultures in microplates for high-throughput screening applications. <i>Enzyme and Microbial Technology</i> , 2018, 118, 1-5.	1.6	31
44	Casein β 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.	0.4	30
45	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.	1.9	30
46	Synthesis and biological evaluation of flexible and conformationally constrained LpxC inhibitors. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 6056.	1.5	30
47	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.	1.3	30
48	Autodisplay of streptavidin. <i>Enzyme and Microbial Technology</i> , 2011, 48, 307-311.	1.6	29
49	Microarray based on autodisplayed Ro proteins for medical diagnosis of systemic lupus erythematosus (SLE). <i>Biosensors and Bioelectronics</i> , 2014, 57, 213-218.	5.3	29
50	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.	1.7	29
51	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.	1.0	28
52	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.	1.1	27
53	Autodisplay of Nitrilase from <i>Alcaligenes faecalis</i> in <i>E. coli</i> Yields a Whole Cell Biocatalyst for the Synthesis of Enantiomerically Pure α -Mandelic Acid. <i>ChemCatChem</i> , 2011, 3, 719-725.	1.8	27
54	Electrochemical ELISA based on <i>Escherichia coli</i> with autodisplayed Z-domains. <i>Sensors and Actuators B: Chemical</i> , 2012, 175, 46-52.	4.0	27

#	ARTICLE	IF	CITATIONS
55	Monitoring the Cellular Surface Display of Recombinant Proteins by Cysteine Labeling and Flow Cytometry. <i>ChemBioChem</i> , 2003, 4, 396-405.	1.3	26
56	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.	1.1	26
57	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.	1.7	26
58	Threonine is present instead of cysteine at the active site of urease from <i>Staphylococcus xylosum</i> . <i>Archives of Microbiology</i> , 1994, 161, 384-392.	1.0	25
59	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.	1.9	25
60	Highly Crystalline Post-Consumer PET Waste Hydrolysis by Surface Displayed PETase Using a Bacterial Whole-Cell Biocatalyst. <i>ChemCatChem</i> , 2021, 13, 3479-3489.	1.8	25
61	Going beyond <i>E. coli</i> : autotransporter based surface display on alternative host organisms. <i>New Biotechnology</i> , 2015, 32, 644-650.	2.4	24
62	Purification and subunit determination of the nickel-dependent <i>Staphylococcus xylosum</i> urease. <i>FEMS Microbiology Letters</i> , 1991, 80, 271-275.	0.7	23
63	Esterase EstE from <i>Xanthomonas vesicatoria</i> (<i>Xv_EstE</i>) is an outer membrane protein capable of hydrolyzing long-chain polar esters. <i>Applied Microbiology and Biotechnology</i> , 2003, 61, 479-487.	1.7	23
64	SPR biosensor based on immobilized <i>E. coli</i> cells with autodisplayed Z-domains. <i>Biochip Journal</i> , 2012, 6, 221-228.	2.5	23
65	A novel application of DDQ as electrophile in the Nenitzescu reaction. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 2666-2674.	1.4	22
66	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.	1.9	22
67	Research Letter: New Potent Indole Derivatives as Hyaluronidase Inhibitors. <i>Chemical Biology and Drug Design</i> , 2007, 70, 547-551.	1.5	21
68	Autodisplay of catalytically active human hyaluronidase hPH-20 and testing of enzyme inhibitors. <i>European Journal of Pharmaceutical Sciences</i> , 2011, 42, 138-147.	1.9	21
69	Preparation and characterization of CK2 inhibitor-loaded cyclodextrin nanoparticles for drug delivery. <i>International Journal of Pharmaceutics</i> , 2013, 441, 491-498.	2.6	21
70	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.	1.5	21
71	Chirality-dependent cell adhesion and enrichment in Janus nanocomposite hydrogels. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 247-256.	1.7	21
72	Cloning and expression of various staphylococcal genes encoding urease in <i>Staphylococcus carnosus</i> . <i>FEMS Microbiology Letters</i> , 1991, 80, 277-281.	0.7	20

#	ARTICLE	IF	CITATIONS
73	5Î±-Reductase in Intact DU145 Cells: Evidence for Isozyme I and Evaluation of Novel Inhibitors. <i>Archiv Der Pharmazie</i> , 2000, 333, 201-204.	2.1	20
74	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.	1.8	20
75	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.	1.7	20
76	Flow cytometric immunoassay using <i>E. coli</i> with autodisplayed Z-domains. <i>Enzyme and Microbial Technology</i> , 2013, 53, 181-188.	1.6	20
77	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.	0.9	20
78	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.	1.4	19
79	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.	3.1	19
80	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.	1.4	19
81	Isoflavonoids with inhibiting effects on human hyaluronidase-1 and norneolignan clitorienolactone B from <i>Ononis spinosa</i> L. root extract. <i>FÃ-toterapÃ-Ã</i> , 2018, 130, 169-174.	1.1	19
82	Protein domain library generation by overlap extension (PDLGO): A tool for enzyme engineering. <i>Analytical Biochemistry</i> , 2008, 378, 171-176.	1.1	18
83	Synthesis, biological evaluation and molecular docking studies of benzyloxyacetohydroxamic acids as LpxC inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 1016-1028.	1.4	18
84	In Silico Identification and in Vitro Activity of Novel Natural Inhibitors of <i>Trypanosoma brucei</i> Glyceraldehyde-3-phosphate-dehydrogenase. <i>Molecules</i> , 2015, 20, 16154-16169.	1.7	18
85	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.	2.0	18
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.	1.1	18
87	Diacritic Binding of an Indenoindole Inhibitor by CK2Î± Paralogs Explored by a Reliable Path to Atomic Resolution CK2Î± Structures. <i>ACS Omega</i> , 2019, 4, 5471-5478.	1.6	18
88	Ninhydrins inhibit carbonic anhydrases directly binding to the metal ion. <i>European Journal of Medicinal Chemistry</i> , 2021, 209, 112875.	2.6	18
89	Biologically active carbazole derivatives: focus on oxazinocarbazoles and related compounds. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2015, 30, 180-188.	2.5	17
90	In Vitro and in Silico Evaluation of Bikaverin as a Potent Inhibitor of Human Protein Kinase CK2. <i>Molecules</i> , 2019, 24, 1380.	1.7	17

#	ARTICLE	IF	CITATIONS
91	Mechanistic basis of breast cancer resistance protein inhibition by new indeno[1,2-b]indoles. <i>Scientific Reports</i> , 2021, 11, 1788.	1.6	17
92	Autotransporter mediated esterase display on <i>Zymomonas mobilis</i> and <i>Zymobacter palmae</i> . <i>Journal of Biotechnology</i> , 2014, 191, 228-235.	1.9	16
93	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.	1.5	16
94	Development of a wash-free immunoassay using <i>Escherichia coli</i> cells with autodisplayed Z-domains. <i>Analyst</i> , 2017, 142, 1720-1728.	1.7	16
95	Bacterial Cell-Surface Display of Semisynthetic Cyclic Peptides. <i>ChemBioChem</i> , 2019, 20, 72-77.	1.3	16
96	Tailor-made Î ² -glucosidase with increased activity at lower temperature without loss of stability and glucose tolerance. <i>Green Chemistry</i> , 2020, 22, 2234-2243.	4.6	16
97	Stable Expression of the Human 5Î±-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
98	â€œCysteine taggingâ€•for labeling and detection of recombinant protein expression. <i>Analytical Biochemistry</i> , 2004, 331, 267-274.	1.1	15
99	Human casein alpha s1 (CSN1S1) skews in vitro differentiation of monocytes towards macrophages. <i>BMC Immunology</i> , 2013, 14, 46.	0.9	15
100	Ultrasonic isolation of the outer membrane of <i>Escherichia coli</i> with autodisplayed Z-domains. <i>Enzyme and Microbial Technology</i> , 2014, 66, 42-47.	1.6	15
101	Microwave-assisted oxidation of indan-1-ones into ninhydrins. <i>Tetrahedron Letters</i> , 2015, 56, 1840-1842.	0.7	15
102	Toward selective CK2alpha and CK2alphaâ€™™ inhibitors: Development of a novel whole-cell kinase assay by Autodisplay of catalytic CK2alphaâ€™™. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 121, 253-260.	1.4	15
103	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.	2.3	15
104	Human T-Cell Response to Meningococcal Immunoglobulin A1 Protease Associated alpha-Proteins. <i>Scandinavian Journal of Immunology</i> , 2000, 51, 176-185.	1.3	14
105	Nile blue A for staining <i>Escherichia coli</i> in flow cytometer experiments. <i>Analytical Biochemistry</i> , 2009, 384, 194-196.	1.1	14
106	Autoantibodies to Î±S1-Casein Are Induced by Breast-Feeding. <i>PLoS ONE</i> , 2012, 7, e32716.	1.1	14
107	In Silico Identification and In Vitro Evaluation of Natural Inhibitors of <i>Leishmania major</i> Pteridine Reductase I. <i>Molecules</i> , 2017, 22, 2166.	1.7	14
108	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.	1.7	14

#	ARTICLE	IF	CITATIONS
109	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.	2.6	14
110	Improving the autotransporter-based surface display of enzymes in <i>Pseudomonas putida</i> KT2440. <i>Microbial Biotechnology</i> , 2020, 13, 176-184.	2.0	14
111	Unexpected CK2 ¹² -antagonistic functionality of bisubstrate inhibitors targeting protein kinase CK2. <i>Bioorganic Chemistry</i> , 2020, 96, 103608.	2.0	14
112	Magnetic-bead-based immunoassay using <i>E. coli</i> cells with autodisplayed Z-domains. <i>Enzyme and Microbial Technology</i> , 2013, 53, 118-122.	1.6	13
113	Development of novel LpxC inhibitors: chiral-pool synthesis of β -triazolyl glycosides. <i>Tetrahedron</i> , 2013, 69, 9434-9442.	1.0	13
114	Structural comparison of the transport units of type V secretion systems. <i>Biological Chemistry</i> , 2013, 394, 1385-1398.	1.2	13
115	Site-Specific Labeling of Protein Kinase CK2: Combining Surface Display and Click Chemistry for Drug Discovery Applications. <i>Pharmaceuticals</i> , 2016, 9, 36.	1.7	13
116	Autodisplay of glucose-6-phosphate dehydrogenase for redox cofactor regeneration at the cell surface. <i>Biotechnology and Bioengineering</i> , 2017, 114, 1658-1669.	1.7	13
117	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 CK2 ¹ and Its Paralog CK2 ¹ ² . <i>Pharmaceuticals</i> , 2017, 10, 98.	1.7	13
118	Design, synthesis and biological evaluation of new embelin derivatives as CK2 inhibitors. <i>Bioorganic Chemistry</i> , 2020, 95, 103520.	2.0	13
119	Molecular Plasticity of Crystalline CK2 ¹ ² Leads to KN2, a Bivalent Inhibitor of Protein Kinase CK2 with Extraordinary Selectivity. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 1302-1312.	2.9	13
120	FACS-based immunoassay of troponin-I using <i>E. coli</i> cells with autodisplayed Z-domains. <i>Analytical Methods</i> , 2014, 6, 1700-1708.	1.3	12
121	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.	1.7	12
122	Uncompetitive nanomolar dimeric indenoindole inhibitors of the human breast cancer resistance pump ABCG2. <i>European Journal of Medicinal Chemistry</i> , 2021, 211, 113017.	2.6	12
123	One-step immunoassay for food allergens based on screened mimotopes from autodisplayed FV-antibody library. <i>Biosensors and Bioelectronics</i> , 2022, 202, 113976.	5.3	12
124	Development of a First-in-Class Small-Molecule Inhibitor of the C-Terminal Hsp90 Dimerization. <i>ACS Central Science</i> , 2022, 8, 636-655.	5.3	12
125	5?-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.	1.4	11
126	Co-autodisplay of Z-domains and bovine caseins on the outer membrane of <i>E. coli</i> . <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 3126-3133.	1.4	11

#	ARTICLE	IF	CITATIONS
127	Human β 1-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.	1.1	11
128	Autotransporter-Based Surface Display of Hemicellulases on <i>Pseudomonas putida</i> : Whole-Cell Biocatalysts for the Degradation of Biomass. <i>ChemCatChem</i> , 2017, 9, 3955-3964.	1.8	10
129	A modified flavonoid accelerates oligodendrocyte maturation and functional remyelination. <i>Glia</i> , 2020, 68, 263-279.	2.5	10
130	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.	1.7	10
131	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.	2.9	10
132	Screening of biotin-binding FV-antibodies from autodeisplayed FV-library on <i>E. coli</i> outer membrane. <i>Analytica Chimica Acta</i> , 2021, 1169, 338627.	2.6	10
133	<i>Escherichia coli</i> kduD encodes an oxidoreductase that converts both sugar and steroid substrates. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 5471-5485.	1.7	9
134	Screening of indeno[1,2-b]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.	2.5	9
135	Autodisplay of the La/SSB protein on LPS-free <i>E. coli</i> for the diagnosis of Sjögren's syndrome. <i>Enzyme and Microbial Technology</i> , 2017, 100, 1-10.	1.6	9
136	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.	1.6	9
137	Covalently Immobilized Regenerable Immunoaffinity Layer with Orientation-Controlled Antibodies Based on Z-Domain Autodisplay. <i>International Journal of Molecular Sciences</i> , 2022, 23, 459.	1.8	9
138	Stable expression of human 5 β -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.	1.2	8
139	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.	2.5	8
140	Development of a surface display ELISA to detect anti-IgG antibodies against bovine β 1-casein in human sera. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 96, 144-150.	1.4	8
141	Electrochemical analysis of autodeisplayed adrenodoxin (Adx) on the outer membrane of <i>E. coli</i> . <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 1509-1513.	1.4	8
142	A magnetite suspension-based washing method for immunoassays using <i>Escherichia coli</i> cells with autodeisplayed Z-domains. <i>Enzyme and Microbial Technology</i> , 2016, 92, 1-8.	1.6	8
143	Identification of a Potent Allosteric Inhibitor of Human Protein Kinase CK2 by Bacterial Surface Display Library Screening. <i>Pharmaceuticals</i> , 2017, 10, 6.	1.7	8
144	Inhibition of Shiga toxin-converting bacteriophage development by novel antioxidant compounds. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2018, 33, 639-650.	2.5	8

#	ARTICLE	IF	CITATIONS
145	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.	1.4	8
146	Cell density-dependent auto-inducible promoters for expression of recombinant proteins in <i>Pseudomonas putida</i> . <i>Microbial Biotechnology</i> , 2019, 12, 1003-1013.	2.0	8
147	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.	2.5	7
148	Microbead-based immunoassay using the outer membrane layer of <i>Escherichia coli</i> combined with autodisplayed Z-domains. <i>Applied Surface Science</i> , 2016, 362, 146-153.	3.1	7
149	Activity control of autodisplayed proteins on the same outer membrane layer of <i>E. coli</i> by using Z-domain/streptavidin/and lipase/foldase systems. <i>Enzyme and Microbial Technology</i> , 2017, 96, 85-95.	1.6	7
150	Refolding of autodisplayed anti-NEF scFv through oxidation with glutathione for immunosensors. <i>Biosensors and Bioelectronics</i> , 2018, 102, 600-609.	5.3	7
151	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.	0.7	7
152	Thermophoretic diagnosis of autoimmune diseases based on <i>Escherichia coli</i> with autodisplayed autoantigens. <i>Analytica Chimica Acta</i> , 2019, 1055, 106-114.	2.6	7
153	Improved Surface Display of Human Hyal1 and Identification of Testosterone Propionate and Chicoric Acid as New Inhibitors. <i>Pharmaceuticals</i> , 2020, 13, 54.	1.7	7
154	Fluorescein and Rhodamine B-Binding Domains from Autodisplayed Fv-Antibody Library. <i>Bioconjugate Chemistry</i> , 2021, 32, 2213-2223.	1.8	7
155	Sesquiterpene Lactones with Dual Inhibitory Activity against the <i>Trypanosoma brucei</i> Pteridine Reductase 1 and Dihydrofolate Reductase. <i>Molecules</i> , 2022, 27, 149.	1.7	7
156	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.	1.0	7
157	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.	0.4	6
158	Optimization of a FACS based-immunoassay using <i>E. coli</i> autodisplaying Z-domains. <i>Biochip Journal</i> , 2013, 7, 173-179.	2.5	6
159	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.	4.0	6
160	A π -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.	1.7	6
161	Tetanus Toxin Fragment C: Structure, Drug Discovery Research and Production. <i>Pharmaceuticals</i> , 2022, 15, 756.	1.7	6
162	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.	1.4	5

#	ARTICLE	IF	CITATIONS
163	Self-Assembled Supramolecular Nanoparticles Improve the Cytotoxic Efficacy of CK2 Inhibitor THN7. <i>Pharmaceuticals</i> , 2018, 11, 10.	1.7	5
164	Purification-independent immunoreagents obtained by displaying nanobodies on bacteria surface. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 4443-4453.	1.7	5
165	[2.2]Paracyclophane-Based TCN-201 Analogs as GluN2A-Selective NMDA Receptor Antagonists. <i>ChemMedChem</i> , 2021, 16, 3201-3209.	1.6	5
166	Antibody-Mediated Screening of Peptide Inhibitors for Monoamine Oxidase-B (MAO-B) from an Autodisplayed F _V Library. <i>Bioconjugate Chemistry</i> , 2022, 33, 1166-1178.	1.8	5
167	Investigation of Aminomethyl Indole Derivatives as Hyaluronidase Inhibitors. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2010, 65, 445-450.	0.6	4
168	Ser71 of β -Casein is Phosphorylated in Breast Milk—Evidence from Targeted Mass Analysis. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1700496.	1.5	4
169	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.	2.1	4
170	Hyal-1 inhibitors from the leaves of <i>Phyllanthus muellerianus</i> (Kuntze) Excell. <i>Journal of Ethnopharmacology</i> , 2019, 236, 326-335.	2.0	4
171	Development of an <i>in vitro</i> screening assay for PIP5K1 β lipid kinase and identification of potent inhibitors. <i>FEBS Journal</i> , 2020, 287, 3042-3064.	2.2	4
172	Synthesis and SAR of Tetracyclic Inhibitors of Protein Kinase CK2 Derived from Furocarbazole W16. <i>ChemMedChem</i> , 2020, 15, 871-881.	1.6	4
173	Application of a thermophoretic immunoassay in the diagnosis of lupus using outer membrane particles from E. coli. <i>Biosensors and Bioelectronics</i> , 2020, 156, 112110.	5.3	4
174	Autodisplay of human PIP5K1 β lipid kinase on Escherichia coli and inhibitor testing. <i>Enzyme and Microbial Technology</i> , 2021, 143, 109717.	1.6	4
175	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.	1.7	4
176	Enzyme cascade converting cyclohexanol into ϵ -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.	2.0	4
177	No effect of thromboxane A2 on the attachment of tumor cell lines MDA MB 231, DU145, and U937 to the basement membrane in an <i>in vitro</i> model. <i>Journal of Cancer Research and Clinical Oncology</i> , 2001, 127, 751-754.	1.2	3
178	Electrochemical ELISA Based on E. Coli with Autodisplayed Z-Domains. <i>Procedia Engineering</i> , 2011, 25, 944-947.	1.2	3
179	¹ H and ¹³ C NMR assignments of bioactive indeno[1,2-b]indole-10-one derivatives. <i>Magnetic Resonance in Chemistry</i> , 2013, 51, 837-841.	1.1	3
180	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.	1.6	3

#	ARTICLE	IF	CITATIONS
181	Label-free flow cytometry-based enzyme inhibitor identification. <i>Analytica Chimica Acta</i> , 2021, 1179, 338826.	2.6	3
182	Structural and Enzymological Evidence for an Altered Substrate Specificity in Okur-Chung Neurodevelopmental Syndrome Mutant CK2 ^{Lys198Arg} . <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 831693.	1.6	3
183	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.	2.1	2
184	Biocatalytic synthesis of 4-pregnen-20,21-diol-3-one, a selective inhibitor of human 5 α -reductase type II. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2007, 22, 570-576.	2.5	2
185	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
186	Natural Compounds Isolated from <i>Stachybotrys chartarum</i> Are Potent Inhibitors of Human Protein Kinase CK2. <i>Molecules</i> , 2021, 26, 4453.	1.7	2
187	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.	0.4	2
188	4,5,7-Trisubstituted indeno[1,2- <i>b</i>]indole inhibits CK2 activity in tumor cells equivalent to CX-4945 and shows strong anti-migratory effects. <i>FEBS Open Bio</i> , 2022, 12, 394-411.	1.0	2
189	Title is missing!. <i>Biotechnology Letters</i> , 2001, 23, 1263-1267.	1.1	1
190	An Updated View on an Emerging Target: Selected Papers from the 8th International Conference on Protein Kinase CK2. <i>Pharmaceuticals</i> , 2017, 10, 33.	1.7	1
191	In Silico and In Vitro Studies of Natural Compounds as Human CK2 Inhibitors. <i>Current Computer-Aided Drug Design</i> , 2021, 17, 323-331.	0.8	1
192	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.	0.2	1
193	<i>E. coli</i> 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
194	81: Targeting casein kinase 2 in drug discovery: identification of new chemical entities. <i>Bulletin Du Cancer</i> , 2010, 97, S68.	0.6	0
195	Preparation of Bacterial Cell-Surface Displayed Semisynthetic. <i>Methods in Molecular Biology</i> , 2022, 2371, 193-213.	0.4	0
196	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.	0.4	0