Ralf Landgraf

List of Publications by Year
in descending order

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45 papers	1,486 citations	361413 20 h-index	315739 38 g-index
46 all docs	46 docs citations	46 times ranked	2070 citing authors

#	Article	IF	Citations
1	Smoothened (SMO) regulates insulin-like growth factor 1 receptor (IGF1R) levels and protein kinase B (AKT) localization and signaling. Laboratory Investigation, 2022, 102, 401-410.	3.7	6
2	Design of a mediator-free, non-enzymatic electrochemical biosensor for glutamate detection. Nanomedicine: Nanotechnology, Biology, and Medicine, 2021, 31, 102305.	3.3	21
3	Vaccination against cocaine using a modifiable dendrimer nanoparticle platform. Vaccine, 2020, 38, 7989-7997.	3.8	5
4	Impeding the single-strand annealing pathway of DNA double-strand break repair by withaferin A-mediated FANCA degradation. DNA Repair, 2019, 77, 10-17.	2.8	7
5	Novel Role of Raft-Associated Smoothened (SMO) in AKT Signal Regulation in Diffuse Large B Cell Lymphoma. Blood, 2019, 134, 3972-3972.	1.4	0
6	Smoothened stabilizes and protects TRAF6 from degradation: A novel non-canonical role of smoothened with implications in lymphoma biology. Cancer Letters, 2018, 436, 149-158.	7.2	10
7	Identification, characterization and application of a new peptide against anterior gradient homolog 2 (AGR2). Oncotarget, 2018, 9, 27363-27379.	1.8	9
8	Synthesis and photophysical properties of a fluorescent cyanoquinoline probe for profiling ERBB2 kinase inhibitor response. Bioorganic and Medicinal Chemistry, 2017, 25, 6016-6023.	3.0	8
9	High-Performance Chromatographic Separation of Cerebrosides. Methods in Molecular Biology, 2017, 1609, 57-63.	0.9	1
10	Regulation of Receptor for Advanced Glycation End Products (RAGE) Ectodomain Shedding and Its Role in Cell Function. Journal of Biological Chemistry, 2016, 291, 12057-12073.	3.4	24
11	Human Epidermal Growth Factor Receptor (HER) Family Molecular Structure. , 2016, , 311-322.		0
12	Molecular Mechanism of Protein Kinase Recognition and Sorting by the Hsp90 Kinome-Specific Cochaperone Cdc37. Molecular Cell, 2016, 62, 260-271.	9.7	69
13	The Small Molecule IMR-1 Inhibits the Notch Transcriptional Activation Complex to Suppress Tumorigenesis. Cancer Research, 2016, 76, 3593-3603.	0.9	60
14	ERBB2 Overexpression Establishes ERBB3-Dependent Hypersensitivity of Breast Cancer Cells to Withaferin A. Molecular Cancer Therapeutics, 2016, 15, 2750-2757.	4.1	12
15	Fluorescent Kinase Probes Enabling Identification and Dynamic Imaging of HER2(+) Cells. Analytical Chemistry, 2016, 88, 11310-11313.	6.5	7
16	Phosphorylated and Unphosphorylated Serine 13 of CDC37 Stabilize Distinct Interactions between Its Client and HSP90 Binding Domains. Biochemistry, 2015, 54, 1493-1504.	2.5	17
17	Binding-induced, turn-on fluorescence of the EGFR/ERBB kinase inhibitor, lapatinib. Organic and Biomolecular Chemistry, 2015, 13, 5006-5011.	2.8	26
18	Emission Tuning of Fluorescent Kinase Inhibitors: Conjugation Length and Substituent Effects. Journal of Organic Chemistry, 2014, 79, 4940-4947.	3.2	27

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19	The Growth Factor Receptor ERBB2 Regulates Mitochondrial Activity on a Signaling Time Scale. Journal of Biological Chemistry, 2013, 288, 35253-35265.	3.4	8
20	Dynamic Analysis of the Epidermal Growth Factor (EGF) Receptor-ErbB2-ErbB3 Protein Network by Luciferase Fragment Complementation Imaging. Journal of Biological Chemistry, 2013, 288, 30773-30784.	3.4	36
21	Functional isolation of activated and unilaterally phosphorylated heterodimers of ERBB2 and ERBB3 as scaffolds in ligand-dependent signaling. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 13237-13242.	7.1	65
22	Selecting Molecular Recognition. What Can Existing Aptamers Tell Us about Their Inherent Recognition Capabilities and Modes of Interaction?. Pharmaceuticals, 2012, 5, 493-513.	3.8	13
23	A fluorescent reporter of ATP binding-competent receptor kinases. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 5532-5535.	2.2	8
24	Geldanamycin selectively targets the nascent form of ERBB3 for degradation. Cell Stress and Chaperones, 2010, 15, 529-544.	2.9	18
25	ERBB3. Cancer Biology and Therapy, 2010, 10, 564-566.	3.4	2
26	Higher-Order Association States of Cellular ERBB3 Probed with Photo-Cross-Linkable Aptamers. Biochemistry, 2008, 47, 11992-12005.	2.5	31
27	HER2 therapy. HER2 (ERBB2): functional diversity from structurally conserved building blocks. Breast Cancer Research, 2007, 9, 202.	5.0	58
28	Signaling through ERBB receptors: Multiple layers of diversity and control. Cellular Signalling, 2006, 18, 923-933.	3.6	118
29	The N-terminal Domains of Neuregulin 1 Confer Signal Attenuation. Journal of Biological Chemistry, 2006, 281, 27306-27316.	3.4	19
30	Oligomers of ERBB3 Have Two Distinct Interfaces That Differ in Their Sensitivity to Disruption by Heregulin. Journal of Biological Chemistry, 2005, 280, 8238-8247.	3.4	49
31	The Extracellular Domains of ErbB3 Retain High Ligand Binding Affinity at Endosome pH and in the Locked Conformationâ€. Biochemistry, 2005, 44, 15842-15857.	2.5	24
32	Inhibition of heregulin signaling by an aptamer that preferentially binds to the oligomeric form of human epidermal growth factor receptor-3. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 9226-9231.	7.1	175
33	Three-dimensional cluster analysis identifies interfaces and functional residue clusters in proteins11Edited by J. Thornton. Journal of Molecular Biology, 2001, 307, 1487-1502.	4.2	226
34	Artificial Nucleases. ChemBioChem, 2001, 2, 735.	2.6	70
35	Identification of a Heregulin Binding Site in HER3 Extracellular Domain. Journal of Biological Chemistry, 2001, 276, 44266-44274.	3.4	38
36	Human ERK1 Induces Filamentous Growth and Cell Wall Remodeling Pathways in Saccharomyces cerevisiae. Journal of Biological Chemistry, 2000, 275, 20638-20646.	3.4	22

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37	Heregulin Reverses the Oligomerization of HER3â€. Biochemistry, 2000, 39, 8503-8511.	2.5	46
38	Analysis of heregulin symmetry by weighted evolutionary tracing. Protein Engineering, Design and Selection, 1999, 12, 943-951.	2.1	70
39	Scission of DNA at a preselected sequence using a single-strand-specific chemical nuclease. Chemistry and Biology, 1998, 5, 283-292.	6.0	20
40	Cytotoxicity and Specificity of Directed Toxins Composed of Diphtheria Toxin and the EGF-like Domain of Heregulin Î²1â€. Biochemistry, 1998, 37, 3220-3228.	2.5	22
41	Engineering of DNA binding proteins into site-specific cutters: reactivity of Trp repressor-1,10-phenanthroline chimeras. Protein Engineering, Design and Selection, 1996, 9, 603-610.	2.1	10
42	Kinetics of spontaneous displacement of RNA from heteroduplexes by DNA. Nucleic Acids Research, 1996, 24, 3246-3252.	14.5	3
43	Drosophilaengrailedâ€1, 10â€phenanthroline chimeras as probes of homeodomainâ€DNA complexes. Protein Science, 1995, 4, 2279-2288.	7.6	10
44	Double stranded scission of DNA directed through sequence-specific R-loop formation. Nucleic Acids Research, 1995, 23, 3524-3530.	14.5	7
45	Oligonucleotide-Directed Nucleic Acid Scission by Micrococcal Nuclease. Biochemistry, 1994, 33, 10607-10615.	2.5	9