

Erik Martinez-Hackert

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

2,270
citations

331670

21
h-index

377865

34
g-index

37
all docs

37
docs citations

37
times ranked

2970
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural relationships in the OmpR family of winged-helix transcription factors 1 Edited by M. Gottesman. <i>Journal of Molecular Biology</i> , 1997, 269, 301-312.	4.2	260
2	The DNA-binding domain of OmpR: crystal structures of a winged helix transcription factor. <i>Structure</i> , 1997, 5, 109-124.	3.3	237
3	Structure of the magnesium-bound form of CheY and mechanism of phosphoryl transfer in bacterial chemotaxis. <i>Biochemistry</i> , 1993, 32, 13375-13380.	2.5	229
4	Specificity and Structure of a High Affinity Activin Receptor-like Kinase 1 (ALK1) Signaling Complex. <i>Journal of Biological Chemistry</i> , 2012, 287, 27313-27325.	3.4	148
5	Promiscuous Substrate Recognition in Folding and Assembly Activities of the Trigger Factor Chaperone. <i>Cell</i> , 2009, 138, 923-934.	28.9	140
6	Characterization of the Ligand Binding Functionality of the Extracellular Domain of Activin Receptor Type IIB. <i>Journal of Biological Chemistry</i> , 2010, 285, 21037-21048.	3.4	123
7	Crystal structure of a potassium ion transporter, TrkH. <i>Nature</i> , 2011, 471, 336-340.	27.8	120
8	Bulk cell density and Wnt/TGFbeta signalling regulate mesendodermal patterning of human pluripotent stem cells. <i>Nature Communications</i> , 2016, 7, 13602.	12.8	105
9	Determination of half-maximal inhibitory concentration using biosensor-based protein interaction analysis. <i>Analytical Biochemistry</i> , 2016, 508, 97-103.	2.4	105
10	Transforming Growth Factor- β Family Ligands Can Function as Antagonists by Competing for Type II Receptor Binding. <i>Journal of Biological Chemistry</i> , 2016, 291, 10792-10804.	3.4	96
11	Structural basis for potency differences between GDF8 and GDF11. <i>BMC Biology</i> , 2017, 15, 19.	3.8	90
12	Crystal Structure of the Catalytic Domain of the Chemotaxis Receptor Methyltransferase, CheB. <i>Journal of Molecular Biology</i> , 1995, 250, 276-290.	4.2	70
13	Crystal Structure of the Moloney Murine Leukemia Virus RNase H Domain. <i>Journal of Virology</i> , 2006, 80, 8379-8389.	3.4	56
14	Distinct Molecular Mechanisms Account for the Specificity of Two Different T-Cell Receptors. <i>Biochemistry</i> , 2003, 42, 4709-4716.	2.5	52
15	Orientation of OmpR monomers within an OmpR:DNA complex determined by DNA affinity cleaving 1 Edited by K. Yamamoto. <i>Journal of Molecular Biology</i> , 1999, 285, 555-566.	4.2	49
16	Receptor binding competition: A paradigm for regulating TGF- β family action. <i>Cytokine and Growth Factor Reviews</i> , 2021, 57, 39-54.	7.2	49
17	Transcriptomic profiling of the myeloma bone-lining niche reveals BMP signalling inhibition to improve bone disease. <i>Nature Communications</i> , 2019, 10, 4533.	12.8	46
18	Activin A forms a non-signaling complex with ACVR1 and type II Activin/BMP receptors via its finger 2 tip loop. <i>ELife</i> , 2020, 9, .	6.0	45

#	ARTICLE	IF	CITATIONS
19	How a T Cell Receptor-like Antibody Recognizes Major Histocompatibility Complex-bound Peptide. <i>Journal of Biological Chemistry</i> , 2008, 283, 29053-29059.	3.4	41
20	Activins as Dual Specificity TGF- β Family Molecules: SMAD-Activation via Activin- and BMP-Type 1 Receptors. <i>Biomolecules</i> , 2020, 10, 519.	4.0	29
21	Human Cerberus Prevents Nodal-Receptor Binding, Inhibits Nodal Signaling, and Suppresses Nodal-Mediated Phenotypes. <i>PLoS ONE</i> , 2015, 10, e0114954.	2.5	28
22	Structural Basis for Degenerate Recognition of Natural HIV Peptide Variants by Cytotoxic Lymphocytes*. <i>Journal of Biological Chemistry</i> , 2006, 281, 20205-20212.	3.4	22
23	New Ligand Binding Function of Human Cerberus and Role of Proteolytic Processing in Regulating Ligand-Receptor Interactions and Antagonist Activity. <i>Journal of Molecular Biology</i> , 2016, 428, 590-602.	4.2	22
24	Structures of and interactions between domains of trigger factor from <i>Thermotoga maritima</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2007, 63, 536-547.	2.5	18
25	Crystallization, X-ray studies, and site-directed cysteine mutagenesis of the DNA-binding domain of OmpR. <i>Protein Science</i> , 1996, 5, 1429-1433.	7.6	15
26	Structural determinants of host specificity of complement Factor H recruitment by <i>Streptococcus pneumoniae</i> . <i>Biochemical Journal</i> , 2015, 465, 325-335.	3.7	15
27	Biochemical and Cellular Analysis Reveals Ligand Binding Specificities, a Molecular Basis for Ligand Recognition, and Membrane Association-dependent Activities of Cripto-1 and Cryptic. <i>Journal of Biological Chemistry</i> , 2017, 292, 4138-4151.	3.4	12
28	Purification, crystallization, and preliminary X-ray diffraction analyses of the bacterial chemotaxis receptor modifying enzymes. <i>Proteins: Structure, Function and Bioinformatics</i> , 1995, 21, 345-350.	2.6	11
29	Structural Analysis of Protein Folding by the Long-Chain Archaeal Chaperone FKBP26. <i>Journal of Molecular Biology</i> , 2011, 407, 450-464.	4.2	9
30	Smad2/3 Activation Regulates Smad1/5/8 Signaling via a Negative Feedback Loop to Inhibit 3T3-L1 Adipogenesis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8472.	4.1	9
31	Fortilin interacts with TGF- β 1 and prevents TGF- β 2 receptor activation. <i>Communications Biology</i> , 2022, 5, 157.	4.4	5
32	High-Throughput, Biosensor-Based Approach to Examine Bone Morphogenetic Protein (BMP)-Receptor Interactions. <i>Methods in Molecular Biology</i> , 2019, 1891, 37-49.	0.9	4
33	Type II BMP and activin receptors BMPR2 and ACVR2A share a conserved mode of growth factor recognition. <i>Journal of Biological Chemistry</i> , 2022, 298, 102076.	3.4	4
34	BMP-4 Extraction from Extracellular Matrix and Analysis of Heparin-Binding Properties. <i>Molecular Biotechnology</i> , 2021, , 1.	2.4	2