

# Michael W Traxlmayr

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

804  
citations

471509

17  
h-index

552781

26  
g-index

27  
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27  
docs citations

27  
times ranked

1020  
citing authors

#	ARTICLE	IF	CITATIONS
1	Protein Engineering and Selection Using Yeast Surface Display. <i>Methods in Molecular Biology</i> , 2015, 1319, 3-36.	0.9	83
2	Directed evolution of proteins for increased stability and expression using yeast display. <i>Archives of Biochemistry and Biophysics</i> , 2012, 526, 174-180.	3.0	76
3	A conformation-specific ON-switch for controlling CAR T cells with an orally available drug. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 14926-14935.	7.1	59
4	An engineered protein antagonist of K-Ras/B-Raf interaction. <i>Scientific Reports</i> , 2017, 7, 5831.	3.3	55
5	Engineering AvidCARs for combinatorial antigen recognition and reversible control of CAR function. <i>Nature Communications</i> , 2020, 11, 4166.	12.8	53
6	Directed evolution of stabilized IgG1-Fc scaffolds by application of strong heat shock to libraries displayed on yeast. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2012, 1824, 542-549.	2.3	50
7	Construction of a Stability Landscape of the CH3 Domain of Human IgG1 by Combining Directed Evolution with High Throughput Sequencing. <i>Journal of Molecular Biology</i> , 2012, 423, 397-412.	4.2	48
8	Immune Suppression by $\hat{I}^3\hat{I}$ T-cells as a Potential Regulatory Mechanism After Cancer Vaccination With IL-12 Secreting Dendritic Cells. <i>Journal of Immunotherapy</i> , 2010, 33, 40-52.	2.4	42
9	Strong Enrichment of Aromatic Residues in Binding Sites from a Charge-neutralized Hyperthermostable Sso7d Scaffold Library. <i>Journal of Biological Chemistry</i> , 2016, 291, 22496-22508.	3.4	42
10	Engineered IgG1â€‘Fc â€‘ one fragment to bind them all. <i>Immunological Reviews</i> , 2016, 270, 113-131.	6.0	35
11	Directed evolution of Her2/neu-binding IgG1-Fc for improved stability and resistance to aggregation by using yeast surface display. <i>Protein Engineering, Design and Selection</i> , 2013, 26, 255-265.	2.1	34
12	Construction of pHâ€‘sensitive Her2â€‘binding IgG1â€‘Fc by directed evolution. <i>Biotechnology Journal</i> , 2014, 9, 1013-1022.	3.5	30
13	Fcab-HER2 Interaction: a MÃ©nage Ã Trois. Lessons from X-Ray and Solution Studies. <i>Structure</i> , 2017, 25, 878-889.e5.	3.3	29
14	Directed Evolution of Protein Thermal Stability Using Yeast Surface Display. <i>Methods in Molecular Biology</i> , 2017, 1575, 45-65.	0.9	24
15	Driving CARs with alternative navigation tools â€‘ the potential of engineered binding scaffolds. <i>FEBS Journal</i> , 2021, 288, 2103-2118.	4.7	23
16	Integrin binding human antibody constant domainsâ€‘Probing the C-terminal structural loops for grafting the RGD motif. <i>Journal of Biotechnology</i> , 2011, 155, 193-202.	3.8	21
17	Stability assessment on a library scale: a rapid method for the evaluation of the commutability and insertion of residues in C-terminal loops of the CH3 domains of IgG1-Fc. <i>Protein Engineering, Design and Selection</i> , 2013, 26, 675-682.	2.1	20
18	Engineering Strategies to Overcome the Stabilityâ€‘Function Trade-Off in Proteins. <i>ACS Synthetic Biology</i> , 2022, 11, 1030-1039.	3.8	15

#	ARTICLE	IF	CITATIONS
19	Peroxidasin protein expression and enzymatic activity in metastatic melanoma cell lines are associated with invasive potential. <i>Redox Biology</i> , 2021, 46, 102090.	9.0	12
20	Design Principles for SuCESsFul Biosensors: Specific Fluorophore/Analyte Binding and Minimization of Fluorophore/Scaffold Interactions. <i>Journal of Molecular Biology</i> , 2016, 428, 4228-4241.	4.2	11
21	Two-faced Fcab prevents polymerization with VEGF and reveals thermodynamics and the 2.15Å... crystal structure of the complex. <i>MAbs</i> , 2017, 9, 1088-1104.	5.2	11
22	Cytosolic delivery of siRNA by ultra-high affinity dsRNA binding proteins. <i>Nucleic Acids Research</i> , 2017, 45, 7602-7614.	14.5	11
23	Directed Evolution of Stabilized Monomeric CD19 for Monovalent CAR Interaction Studies and Monitoring of CAR-T Cell Patients. <i>ACS Synthetic Biology</i> , 2021, 10, 1184-1198.	3.8	9
24	Affinity and Stability Analysis of Yeast Displayed Proteins. <i>Methods in Molecular Biology</i> , 2022, 2491, 155-173.	0.9	5
25	Creating stable stem regions for loop elongation in Fcabs – Insights from combining yeast surface display, in silico loop reconstruction and molecular dynamics simulations. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014, 1844, 1530-1540.	2.3	3
26	PhosphoFlowSeq – A High-throughput Kinase Activity Assay for Screening Drug Resistance Mutations in EGFR. <i>Journal of Molecular Biology</i> , 2021, 433, 167210.	4.2	3