

Elisabeth Lobner

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

540
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759233

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times ranked

845
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Inefficient CAR-proximal signaling blunts antigen sensitivity. <i>Nature Immunology</i> , 2020, 21, 848-856. | 14.5 | 83 |
| 2 | Engineering AvidCARs for combinatorial antigen recognition and reversible control of CAR function. <i>Nature Communications</i> , 2020, 11, 4166. | 12.8 | 53 |
| 3 | Identification of lectin receptors for conserved SARS-CoV-2 glycosylation sites. <i>EMBO Journal</i> , 2021, 40, e108375. | 7.8 | 44 |
| 4 | 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 |
| 5 | Engineered IgG1-Fc "one fragment to bind them all". <i>Immunological Reviews</i> , 2016, 270, 113-131. | 6.0 | 35 |
| 6 | 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 |
| 7 | A comprehensive antigen production and characterisation study for easy-to-implement, specific and quantitative SARS-CoV-2 serotests. <i>EBioMedicine</i> , 2021, 67, 103348. | 6.1 | 34 |
| 8 | N-Glycosylation of the SARS-CoV-2 Receptor Binding Domain Is Important for Functional Expression in Plants. <i>Frontiers in Plant Science</i> , 2021, 12, 689104. | 3.6 | 34 |
| 9 | Construction of pH-sensitive Her2-binding IgG1-Fc by directed evolution. <i>Biotechnology Journal</i> , 2014, 9, 1013-1022. | 3.5 | 30 |
| 10 | Fc-HER2 Interaction: a Marriage À Trois. Lessons from X-Ray and Solution Studies. <i>Structure</i> , 2017, 25, 878-889.e5. | 3.3 | 29 |
| 11 | Structure-guided glyco-engineering of ACE2 for improved potency as soluble SARS-CoV-2 decoy receptor. <i>ELife</i> , 2021, 10, . | 6.0 | 29 |
| 12 | Generation of enzymatically competent SARS-CoV-2 decoy receptor ACE2-Fc in glycoengineered <i>Nicotiana benthamiana</i> . <i>Biotechnology Journal</i> , 2021, 16, e2000566. | 3.5 | 26 |
| 13 | Two-faced Fc-HER2 prevents polymerization with VEGF and reveals thermodynamics and the 2.15 Å crystal structure of the complex. <i>MABS</i> , 2017, 9, 1088-1104. | 5.2 | 11 |
| 14 | Steric Accessibility of the Cleavage Sites Dictates the Proteolytic Vulnerability of the Anti-HIV-1 Antibodies 2F5, 2G12, and PG9 in Plants. <i>Biotechnology Journal</i> , 2020, 15, e1900308. | 3.5 | 10 |
| 15 | Getting CD19 Into Shape: Expression of Natively Folded "Difficult-to-Express" CD19 for Staining and Stimulation of CAR-T Cells. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 49. | 4.1 | 9 |
| 16 | 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 |
| 17 | Impact of Specific N-Glycan Modifications on the Use of Plant-Produced SARS-CoV-2 Antigens in Serological Assays. <i>Frontiers in Plant Science</i> , 2021, 12, 747500. | 3.6 | 8 |
| 18 | Designed SARS-CoV-2 receptor binding domain variants form stable monomers. <i>Biotechnology Journal</i> , 2022, 17, e2100422. | 3.5 | 8 |