

Sang Taek Jung

List of Publications by Year in descending order

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32
papers

797
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758635

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525886

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996
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Aglycosylated IgG variants expressed in bacteria that selectively bind Fc γ RI potentiate tumor cell killing by monocyte-dendritic cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 604-609. | 3.3 | 146 |
| 2 | Bypassing glycosylation: engineering aglycosylated full-length IgG antibodies for human therapy. <i>Current Opinion in Biotechnology</i> , 2011, 22, 858-867. | 3.3 | 88 |
| 3 | Engineering therapeutic antibodies targeting G-protein-coupled receptors. <i>Experimental and Molecular Medicine</i> , 2016, 48, e207-e207. | 3.2 | 82 |
| 4 | Boosting therapeutic potency of antibodies by taming Fc domain functions. <i>Experimental and Molecular Medicine</i> , 2019, 51, 1-9. | 3.2 | 77 |
| 5 | Effective Phagocytosis of Low Her2 Tumor Cell Lines with Engineered, Aglycosylated IgG Displaying High Fc γ RIIIa Affinity and Selectivity. <i>ACS Chemical Biology</i> , 2013, 8, 368-375. | 1.6 | 61 |
| 6 | Aglycosylated full-length IgG antibodies: steps toward next-generation immunotherapeutics. <i>Current Opinion in Biotechnology</i> , 2014, 30, 128-139. | 3.3 | 50 |
| 7 | The Highly Evolvable Antibody Fc Domain. <i>Trends in Biotechnology</i> , 2016, 34, 895-908. | 4.9 | 39 |
| 8 | Binding and enrichment of <i>Escherichia coli</i> spheroplasts expressing inner membrane tethered scFv antibodies on surface immobilized antigens. <i>Biotechnology and Bioengineering</i> , 2007, 98, 39-47. | 1.7 | 34 |
| 9 | Recent Achievements and Challenges in Prolonging the Serum Half-Lives of Therapeutic IgG Antibodies Through Fc Engineering. <i>BioDrugs</i> , 2021, 35, 147-157. | 2.2 | 24 |
| 10 | Recent development of highly sensitive protease assay methods: Signal amplification through enzyme cascades. <i>Biotechnology and Bioprocess Engineering</i> , 2012, 17, 1113-1119. | 1.4 | 19 |
| 11 | Efficient expression and purification of human aglycosylated Fc γ receptors in <i>Escherichia coli</i> . <i>Biotechnology and Bioengineering</i> , 2010, 107, 21-30. | 1.7 | 15 |
| 12 | Structural consequences of aglycosylated IgG Fc variants evolved for Fc γ RI binding. <i>Molecular Immunology</i> , 2015, 67, 350-356. | 1.0 | 15 |
| 13 | Construction of an immunotoxin via site-specific conjugation of anti-Her2 IgG and engineered <i>Pseudomonas</i> exotoxin A. <i>Journal of Biological Engineering</i> , 2019, 13, 56. | 2.0 | 12 |
| 14 | Engineered <i>Arabidopsis</i> Blue Light Receptor LOV Domain Variants with Improved Quantum Yield, Brightness, and Thermostability. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 12037-12043. | 2.4 | 12 |
| 15 | Computer-based engineering of thermostabilized antibody fragments. <i>AIChE Journal</i> , 2020, 66, e16864. | 1.8 | 12 |
| 16 | A human antibody against human endothelin receptor type A that exhibits antitumor potency. <i>Experimental and Molecular Medicine</i> , 2021, 53, 1437-1448. | 3.2 | 12 |
| 17 | Tailoring immunoglobulin Fc for highly potent and serum-stable therapeutic antibodies. <i>Biotechnology and Bioprocess Engineering</i> , 2013, 18, 625-636. | 1.4 | 11 |
| 18 | Engineering an aglycosylated Fc variant for enhanced Fc γ RI engagement and pH-dependent human FcRn binding. <i>Biotechnology and Bioprocess Engineering</i> , 2014, 19, 780-789. | 1.4 | 11 |

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|----|---|-----|-----------|
| 19 | Assessment of Computational Modeling of Fc-Fc Receptor Binding Through Protein-protein Docking Tool. <i>Biotechnology and Bioprocess Engineering</i> , 2020, 25, 734-741. | 1.4 | 11 |
| 20 | Discovery of Novel <i>Pseudomonas putida</i> Flavin-Binding Fluorescent Protein Variants with Significantly Improved Quantum Yield. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 5873-5879. | 2.4 | 11 |
| 21 | Antigen Design for Successful Isolation of Highly Challenging Therapeutic Anti-GPCR Antibodies. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8240. | 1.8 | 9 |
| 22 | The role of oxytocin, vasopressin, and their receptors at nociceptors in peripheral pain modulation. <i>Frontiers in Neuroendocrinology</i> , 2021, 63, 100942. | 2.5 | 9 |
| 23 | Reprogramming the Constant Region of Immunoglobulin G Subclasses for Enhanced Therapeutic Potency against Cancer. <i>Biomolecules</i> , 2020, 10, 382. | 1.8 | 8 |
| 24 | Targeting TCTP sensitizes tumor to T cell-mediated therapy by reversing immune-refractory phenotypes. <i>Nature Communications</i> , 2022, 13, 2127. | 5.8 | 7 |
| 25 | Optimal combination of beneficial mutations for improved ADCC effector function of aglycosylated antibodies. <i>Molecular Immunology</i> , 2019, 114, 62-71. | 1.0 | 5 |
| 26 | Engineering antibodies for dual specificity and enhanced potency. <i>Biotechnology and Bioprocess Engineering</i> , 2015, 20, 201-210. | 1.4 | 4 |
| 27 | Improved Yield of Recombinant Protein via Flagella Regulator Deletion in <i>Escherichia coli</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 655072. | 1.5 | 4 |
| 28 | Determination of the endothelin-1 recognition sites of endothelin receptor type A by the directed-degeneration method. <i>Scientific Reports</i> , 2017, 7, 7577. | 1.6 | 3 |
| 29 | Structural Study on the Impact of S239D/I332E Mutations in the Binding of Fc and Fc γ 3RIIIa. <i>Biotechnology and Bioprocess Engineering</i> , 2021, 26, 985-992. | 1.4 | 3 |
| 30 | Engineered human Fc γ 3RIIIa fusion: A novel strategy to extend serum half-life of therapeutic proteins. <i>Biotechnology and Bioengineering</i> , 2020, 117, 2351-2361. | 1.7 | 2 |
| 31 | Detection and purification of backbone-cyclized proteins using a bacterially expressed anti-myc-tag single chain antibody. <i>Analytical Biochemistry</i> , 2017, 532, 38-44. | 1.1 | 0 |
| 32 | Isolation of Single Chain Antibodies Specific to Lysophosphatidic Acid Receptor 1 (LPA 1) from a M13 Phage Display Library Using Purified LPA 1 Stabilized in Nanodiscs. <i>Bulletin of the Korean Chemical Society</i> , 2019, 40, 680-685. | 1.0 | 0 |