

Ulrich Brinkmann

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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|--------------------|--------------------------|----------------|-----------------|
| 144 papers | 9,844 citations | 47 h-index | 98 g-index |
| 150 ext. papers | 10,596 ext. citations | 7.4 avg, IF | 6.05 L-index |

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 144 | Functional polymorphisms of the human multidrug-resistance gene: multiple sequence variations and correlation of one allele with P-glycoprotein expression and activity in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 3473-8 | 11.5 | 1017 |
| 143 | Association of multidrug resistance in epilepsy with a polymorphism in the drug-transporter gene ABCB1. <i>New England Journal of Medicine</i> , 2003 , 348, 1442-8 | 59.2 | 611 |
| 142 | Frequency of single nucleotide polymorphisms in the P-glycoprotein drug transporter MDR1 gene in white subjects. <i>Clinical Pharmacology and Therapeutics</i> , 2001 , 69, 169-74 | 6.1 | 541 |
| 141 | The making of bispecific antibodies. <i>MAbs</i> , 2017 , 9, 182-212 | 6.6 | 442 |
| 140 | Bispecific antibodies. <i>Drug Discovery Today</i> , 2015 , 20, 838-47 | 8.8 | 370 |
| 139 | High-level expression of recombinant genes in Escherichia coli is dependent on the availability of the dnaY gene product. <i>Gene</i> , 1989 , 85, 109-14 | 3.8 | 341 |
| 138 | A method for increasing the yield of properly folded recombinant fusion proteins: single-chain immunotoxins from renaturation of bacterial inclusion bodies. <i>Analytical Biochemistry</i> , 1992 , 205, 263-70 ^{3.1} | | 332 |
| 137 | Association between the C3435T MDR1 gene polymorphism and susceptibility for ulcerative colitis. <i>Gastroenterology</i> , 2003 , 124, 26-33 | 13.3 | 266 |
| 136 | Modulation of steady-state kinetics of digoxin by haplotypes of the P-glycoprotein MDR1 gene. <i>Clinical Pharmacology and Therapeutics</i> , 2002 , 72, 584-94 | 6.1 | 243 |
| 135 | Frequency of C3435T polymorphism of MDR1 gene in African people. <i>Lancet, The</i> , 2001 , 358, 383-4 | 40 | 237 |
| 134 | Association of the P-glycoprotein transporter MDR1(C3435T) polymorphism with the susceptibility to renal epithelial tumors. <i>Journal of the American Society of Nephrology: JASN</i> , 2002 , 13, 1847-54 | 12.7 | 215 |
| 133 | B3(Fv)-PE38KDEL, a single-chain immunotoxin that causes complete regression of a human carcinoma in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991 , 88, 8616-20 | 11.5 | 210 |
| 132 | MDR1 gene polymorphisms and disposition of the P-glycoprotein substrate fexofenadine. <i>British Journal of Clinical Pharmacology</i> , 2002 , 53, 526-34 | 3.8 | 201 |
| 131 | A recombinant immunotoxin containing a disulfide-stabilized Fv fragment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993 , 90, 7538-42 | 11.5 | 198 |
| 130 | Genomic organization of the human CYP3A locus: identification of a new, inducible CYP3A gene. <i>Pharmacogenetics and Genomics</i> , 2001 , 11, 111-21 | | 188 |
| 129 | Identification of genetic variations of the human organic cation transporter hOCT1 and their functional consequences. <i>Pharmacogenetics and Genomics</i> , 2002 , 12, 591-5 | | 175 |
| 128 | ABC drug transporters: hereditary polymorphisms and pharmacological impact in MDR1, MRP1 and MRP2. <i>Pharmacogenomics</i> , 2001 , 2, 51-64 | 2.6 | 168 |

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|-----|---|------|-----|
| 127 | Cloning and characterization of a cellular apoptosis susceptibility gene, the human homologue to the yeast chromosome segregation gene CSE1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995 , 92, 10427-31 | 11.5 | 159 |
| 126 | Identification of a peptide which binds to the carbohydrate-specific monoclonal antibody B3. <i>Gene</i> , 1993 , 128, 43-9 | 3.8 | 154 |
| 125 | Characterization of the glutathione S-transferase GSTT1 deletion: discrimination of all genotypes by polymerase chain reaction indicates a trimodular genotype-phenotype correlation. <i>Pharmacogenetics and Genomics</i> , 2000 , 10, 557-65 | | 146 |
| 124 | Progress in overcoming the chain association issue in bispecific heterodimeric IgG antibodies. <i>MAbs</i> , 2012 , 4, 653-63 | 6.6 | 130 |
| 123 | Engineering antibody Fv fragments for cancer detection and therapy: disulfide-stabilized Fv fragments. <i>Nature Biotechnology</i> , 1996 , 14, 1239-45 | 44.5 | 127 |
| 122 | Digoxin pharmacokinetics and MDR1 genetic polymorphisms. <i>European Journal of Clinical Pharmacology</i> , 2003 , 58, 809-12 | 2.8 | 124 |
| 121 | Discovery of three genes specifically expressed in human prostate by expressed sequence tag database analysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 300-4 | 11.5 | 120 |
| 120 | Stabilization of the Fv fragments in recombinant immunotoxins by disulfide bonds engineered into conserved framework regions. <i>Biochemistry</i> , 1994 , 33, 5451-9 | 3.2 | 118 |
| 119 | Zirconium-89 labeled antibodies: a new tool for molecular imaging in cancer patients. <i>BioMed Research International</i> , 2014 , 2014, 203601 | 3 | 89 |
| 118 | Identification of proangiogenic genes and pathways by high-throughput functional genomics: TBK1 and the IRF3 pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 4240-5 | 11.5 | 87 |
| 117 | CSE1L/CAS: its role in proliferation and apoptosis. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2003 , 8, 39-44 | 5.4 | 81 |
| 116 | Expression and localization of the multidrug resistance protein 5 (MRP5/ABCC5), a cellular export pump for cyclic nucleotides, in human heart. <i>American Journal of Pathology</i> , 2003 , 163, 1567-77 | 5.8 | 81 |
| 115 | Engineering interchain disulfide bonds into conserved framework regions of Fv fragments: improved biochemical characteristics of recombinant immunotoxins containing disulfide-stabilized Fv. <i>Protein Engineering, Design and Selection</i> , 1994 , 7, 697-704 | 1.9 | 81 |
| 114 | Independent domain folding of Pseudomonas exotoxin and single-chain immunotoxins: influence of interdomain connections. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992 , 89, 3075-9 | 11.5 | 80 |
| 113 | Role of caspases in immunotoxin-induced apoptosis of cancer cells. <i>Biochemistry</i> , 1998 , 37, 16934-42 | 3.2 | 79 |
| 112 | Role of CAS, a human homologue to the yeast chromosome segregation gene CSE1, in toxin and tumor necrosis factor mediated apoptosis. <i>Biochemistry</i> , 1996 , 35, 6891-9 | 3.2 | 78 |
| 111 | The human CAS (cellular apoptosis susceptibility) gene mapping on chromosome 20q13 is amplified in BT474 breast cancer cells and part of aberrant chromosomes in breast and colon cancer cell lines. <i>Genome Research</i> , 1996 , 6, 187-94 | 9.7 | 77 |
| 110 | Pharmacogenetics of the human drug-transporter gene MDR1: impact of polymorphisms on pharmacotherapy. <i>Drug Discovery Today</i> , 2001 , 6, 835-839 | 8.8 | 75 |

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|-----|--|------|----|
| 109 | PAGE-1, an X chromosome-linked GAGE-like gene that is expressed in normal and neoplastic prostate, testis, and uterus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 10757-62 | 11.5 | 66 |
| 108 | Dipyridamole enhances digoxin bioavailability via P-glycoprotein inhibition. <i>Clinical Pharmacology and Therapeutics</i> , 2003 , 73, 51-60 | 6.1 | 65 |
| 107 | Tumor-antigen-binding bispecific antibodies for cancer treatment. <i>Seminars in Oncology</i> , 2014 , 41, 653-60 | 9.5 | 62 |
| 106 | High expression of a specific T-cell receptor gamma transcript in epithelial cells of the prostate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 9287-92 | 11.5 | 58 |
| 105 | Development of secreted proteins as biotherapeutic agents. <i>Expert Opinion on Biological Therapy</i> , 2004 , 4, 551-8 | 5.4 | 57 |
| 104 | A novel angiopoietin-2 selective fully human antibody with potent anti-tumoral and anti-angiogenic efficacy and superior side effect profile compared to Pan-Angiopoietin-1/-2 inhibitors. <i>PLoS ONE</i> , 2013 , 8, e54923 | 3.7 | 57 |
| 103 | Development of tetravalent, bispecific CCR5 antibodies with antiviral activity against CCR5 monoclonal antibody-resistant HIV-1 strains. <i>Antimicrobial Agents and Chemotherapy</i> , 2011 , 55, 2369-78 | 5.9 | 51 |
| 102 | Bispecific digoxigenin-binding antibodies for targeted payload delivery. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 8194-9 | 11.5 | 51 |
| 101 | The human CAS protein which is homologous to the CSE1 yeast chromosome segregation gene product is associated with microtubules and mitotic spindle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996 , 93, 2670-4 | 11.5 | 51 |
| 100 | Renaturation of a single-chain immunotoxin facilitated by chaperones and protein disulfide isomerase. <i>Nature Biotechnology</i> , 1992 , 10, 682-5 | 44.5 | 51 |
| 99 | Engineering therapeutic bispecific antibodies using CrossMab technology. <i>Methods</i> , 2019 , 154, 21-31 | 4.6 | 51 |
| 98 | CAS, the human homologue of the yeast chromosome-segregation gene CSE1, in proliferation, apoptosis, and cancer. <i>American Journal of Human Genetics</i> , 1998 , 62, 509-13 | 11 | 49 |
| 97 | Disulfide stabilization of antibody Fv: computer predictions and experimental evaluation. <i>Protein Engineering, Design and Selection</i> , 1995 , 8, 1323-31 | 1.9 | 46 |
| 96 | Prospects of bacterial and plant protein-based immunotoxins for treatment of cancer. <i>Cancer Genomics and Proteomics</i> , 2014 , 11, 25-38 | 3.3 | 45 |
| 95 | A novel glycoengineered bispecific antibody format for targeted inhibition of epidermal growth factor receptor (EGFR) and insulin-like growth factor receptor type I (IGF-1R) demonstrating unique molecular properties. <i>Journal of Biological Chemistry</i> , 2014 , 289, 18693-706 | 5.4 | 43 |
| 94 | Preparation and characterization of a disulfide-stabilized Fv fragment of the anti-Tac antibody: comparison with its single-chain analog. <i>Molecular Immunology</i> , 1995 , 32, 249-58 | 4.3 | 43 |
| 93 | Cytotoxic and antitumor activity of a recombinant immunotoxin composed of disulfide-stabilized anti-Tac Fv fragment and truncated <i>Pseudomonas</i> exotoxin. <i>International Journal of Cancer</i> , 1994 , 58, 142-9 | 7.5 | 42 |
| 92 | Expression Cloning of cDNAs That Render Cancer Cells Resistant to <i>Pseudomonas</i> and Diphtheria Toxin and Immunotoxins. <i>Molecular Medicine</i> , 1995 , 1, 206-216 | 6.2 | 40 |

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|----|--|------|----|
| 91 | Development of tetravalent IgG1 dual targeting IGF-1R-EGFR antibodies with potent tumor inhibition. <i>Archives of Biochemistry and Biophysics</i> , 2012 , 526, 206-18 | 4.1 | 39 |
| 90 | Recombinant toxins: new therapeutic agents for cancer. <i>Annals of the New York Academy of Sciences</i> , 1995 , 758, 345-54 | 6.5 | 39 |
| 89 | Conjugation of an antibody Fv fragment to a virus coat protein: cell-specific targeting of recombinant polyoma-virus-like particles. <i>Biochemical Journal</i> , 2001 , 356, 867-873 | 3.8 | 37 |
| 88 | High expression of the proliferation and apoptosis associated CSE1L/CAS gene in hepatitis and liver neoplasms: correlation with tumor progression. <i>International Journal of Molecular Medicine</i> , 2001 , 7, 489-94 | 4.4 | 37 |
| 87 | Expression of the proliferation and apoptosis-associated CAS protein in benign and malignant cutaneous melanocytic lesions. <i>American Journal of Dermatopathology</i> , 1999 , 21, 125-8 | 0.9 | 35 |
| 86 | Characterization of a re-engineered, mesothelin-targeted Pseudomonas exotoxin fusion protein for lung cancer therapy. <i>Molecular Oncology</i> , 2016 , 10, 1317-29 | 7.9 | 34 |
| 85 | A bivalent disulfide-stabilized Fv with improved antigen binding to erbB2. <i>Journal of Molecular Biology</i> , 1998 , 281, 475-83 | 6.5 | 33 |
| 84 | The emerging role of new protein scaffold-based agents for treatment of cancer. <i>Cancer Genomics and Proteomics</i> , 2013 , 10, 155-68 | 3.3 | 33 |
| 83 | Immunotoxins against cancer. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 1994 , 1198, 27-45 | 11.2 | 32 |
| 82 | The Role of micro RNAs in Breast Cancer Metastasis: Preclinical Validation and Potential Therapeutic Targets. <i>Cancer Genomics and Proteomics</i> , 2018 , 15, 17-39 | 3.3 | 32 |
| 81 | Phage display of disulfide-stabilized Fv fragments. <i>Journal of Immunological Methods</i> , 1995 , 182, 41-50 | 2.5 | 30 |
| 80 | Stabilization of a recombinant Fv fragment by base-loop interconnection and V(H)-V(L) permutation. <i>Journal of Molecular Biology</i> , 1997 , 268, 107-17 | 6.5 | 28 |
| 79 | Cse1l is essential for early embryonic growth and development. <i>Molecular and Cellular Biology</i> , 2001 , 21, 7020-4 | 4.8 | 28 |
| 78 | A recombinant immunotoxin that is active on prostate cancer cells and that is composed of the Fv region of monoclonal antibody PR1 and a truncated form of Pseudomonas exotoxin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993 , 90, 547-51 | 11.5 | 28 |
| 77 | Loss of diphthamide pre-activates NF- κ B and death receptor pathways and renders MCF7 cells hypersensitive to tumor necrosis factor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 10732-7 | 11.5 | 27 |
| 76 | Antisense inhibition of CAS, the human homologue of the yeast chromosome segregation gene CSE1, interferes with mitosis in HeLa cells. <i>Biochemistry</i> , 1997 , 36, 9493-500 | 3.2 | 27 |
| 75 | High-throughput functional genomics identifies genes that ameliorate toxicity due to oxidative stress in neuronal HT-22 cells: GFPT2 protects cells against peroxide. <i>Molecular and Cellular Proteomics</i> , 2004 , 3, 834-40 | 7.6 | 27 |
| 74 | How to manage individualized drug therapy: application of pharmacogenetic knowledge of drug metabolism and transport. <i>Clinical Chemistry and Laboratory Medicine</i> , 2000 , 38, 869-76 | 5.9 | 27 |

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|----|---|------|----|
| 73 | Influence of GSTT1 and GSTM1 genotypes on sunburn sensitivity. <i>Molecular Diagnosis and Therapy</i> , 2002 , 2, 147-54 | | 21 |
| 72 | Quantitative fluorescence imaging determines the absolute number of locked nucleic acid oligonucleotides needed for suppression of target gene expression. <i>Nucleic Acids Research</i> , 2019 , 47, 953-969 | 20.1 | 21 |
| 71 | Bispecific antibody derivatives with restricted binding functionalities that are activated by proteolytic processing. <i>Protein Engineering, Design and Selection</i> , 2012 , 25, 571-80 | 1.9 | 20 |
| 70 | Effects of TWEAK (TNF superfamily member 12) on differentiation, metabolism, and secretory function of human primary preadipocytes and adipocytes. <i>Endocrinology</i> , 2009 , 150, 5373-83 | 4.8 | 20 |
| 69 | Effects of BCL-2 overexpression on the sensitivity of MCF-7 breast cancer cells to ricin, diphtheria and Pseudomonas toxin and immunotoxins. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 1997 , 2, 192-8 | 5.4 | 20 |
| 68 | Conjugation of an antibody Fv fragment to a virus coat protein: cell-specific targeting of recombinant polyoma-virus-like particles. <i>Biochemical Journal</i> , 2001 , 356, 867-73 | 3.8 | 20 |
| 67 | Attenuating the growth of tumors by intratumoral administration of DNA encoding Pseudomonas exotoxin via cationic liposomes. <i>Cancer Gene Therapy</i> , 2000 , 7, 91-6 | 5.4 | 20 |
| 66 | The Functional Role of Prostate Cancer Metastasis-related Micro-RNAs. <i>Cancer Genomics and Proteomics</i> , 2019 , 16, 1-19 | 3.3 | 20 |
| 65 | LIGHT (TNFSF14) inhibits adipose differentiation without affecting adipocyte metabolism. <i>International Journal of Obesity</i> , 2011 , 35, 208-16 | 5.5 | 19 |
| 64 | Apoptosis induced by Pseudomonas exotoxin: a sensitive and rapid marker for gene delivery in vivo. <i>Human Gene Therapy</i> , 1999 , 10, 923-34 | 4.8 | 18 |
| 63 | Recombinant Immunotoxins: From Basic Research to Cancer Therapy. <i>Methods</i> , 1995 , 8, 143-156 | 4.6 | 18 |
| 62 | Recombinant immunotoxins. <i>Breast Cancer Research and Treatment</i> , 1996 , 38, 3-9 | 4.4 | 18 |
| 61 | Alteration of a protease-sensitive region of Pseudomonas exotoxin prolongs its survival in the circulation of mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992 , 89, 3065-9 | 11.5 | 18 |
| 60 | The intriguing options of multispecific antibody formats for treatment of cancer. <i>Cancer Genomics and Proteomics</i> , 2013 , 10, 1-18 | 3.3 | 18 |
| 59 | MicroRNAs Involved in Metastasis of Hepatocellular Carcinoma: Target Candidates, Functionality and Efficacy in Animal Models and Prognostic Relevance. <i>Cancer Genomics and Proteomics</i> , 2020 , 17, 1-21 | 3.3 | 17 |
| 58 | The hCSE1/CAS protein is phosphorylated by HeLa extracts and MEK-1: MEK-1 phosphorylation may modulate the intracellular localization of CAS. <i>Biochemical and Biophysical Research Communications</i> , 1998 , 250, 623-8 | 3.4 | 16 |
| 57 | Recombinant immunotoxins: protein engineering for cancer therapy. <i>Trends in Molecular Medicine</i> , 1996 , 2, 439-46 | | 16 |
| 56 | Effects of Ultrasonic Dispersion Energy on the Preparation of Amorphous SiO ₂ Nanomaterials for In Vitro Toxicity Testing. <i>Nanomaterials</i> , 2018 , 9, | 5.4 | 15 |

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|----|---|------|----|
| 55 | Anti-tumoral, anti-angiogenic and anti-metastatic efficacy of a tetravalent bispecific antibody (TAVi6) targeting VEGF-A and angiopoietin-2. <i>MAbs</i> , 2016 , 8, 562-73 | 6.6 | 15 |
| 54 | Induction of heat shock protein HSPA6 (HSP70B) upon HSP90 inhibition in cancer cell lines. <i>FEBS Letters</i> , 2015 , 589, 1450-8 | 3.8 | 15 |
| 53 | Bispecific antibody derivatives based on full-length IgG formats. <i>Methods in Molecular Biology</i> , 2012 , 901, 247-63 | 1.4 | 15 |
| 52 | High throughput functional genomics: identification of novel genes with tumor suppressor phenotypes. <i>International Journal of Cancer</i> , 2005 , 113, 434-9 | 7.5 | 15 |
| 51 | Construction of a functional disulfide-stabilized TCR Fv indicates that antibody and TCR Fv frameworks are very similar in structure. <i>Immunity</i> , 1995 , 2, 281-7 | 32.3 | 15 |
| 50 | Bispecific antibodies. <i>Science</i> , 2021 , 372, 916-917 | 33.3 | 15 |
| 49 | TriFabs--Trivalent IgG-Shaped Bispecific Antibody Derivatives: Design, Generation, Characterization and Application for Targeted Payload Delivery. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 27497-507 ¹⁴ | 6.3 | 14 |
| 48 | Cloning and expression of the recombinant Fab fragment of monoclonal antibody K1 that reacts with mesothelin present on mesotheliomas and ovarian cancers. <i>International Journal of Cancer</i> , 1997 , 71, 638-44 | 7.5 | 14 |
| 47 | Quantification of cell surface proteins with bispecific antibodies. <i>Protein Engineering, Design and Selection</i> , 2013 , 26, 645-54 | 1.9 | 13 |
| 46 | Sequence diversity and functional characterization of the 5'Tregulatory region of human CYP2C19. <i>Pharmacogenetics and Genomics</i> , 2003 , 13, 199-206 | | 13 |
| 45 | Format and geometries matter: Structure-based design defines the functionality of bispecific antibodies. <i>Computational and Structural Biotechnology Journal</i> , 2020 , 18, 1221-1227 | 6.8 | 13 |
| 44 | Influence of TBK-1 on tumor angiogenesis and microvascular inflammation. <i>Frontiers in Bioscience - Landmark</i> , 2008 , 13, 7243-9 | 2.8 | 12 |
| 43 | Tissue-specific alternative splicing of the CSE1L/CAS (cellular apoptosis susceptibility) gene. <i>Genomics</i> , 1999 , 58, 41-9 | 4.3 | 12 |
| 42 | Human-protein-derived peptides for intracellular delivery of biomolecules. <i>Biochemical Journal</i> , 2012 , 442, 583-93 | 3.8 | 11 |
| 41 | Fluorescent Citrine-IgG fusion proteins produced in mammalian cells. <i>MAbs</i> , 2010 , 2, 648-61 | 6.6 | 11 |
| 40 | Diphthamide affects selenoprotein expression: Diphthamide deficiency reduces selenocysteine incorporation, decreases selenite sensitivity and pre-disposes to oxidative stress. <i>Redox Biology</i> , 2019 , 20, 146-156 | 11.3 | 11 |
| 39 | Hapten-directed spontaneous disulfide shuffling: a universal technology for site-directed covalent coupling of payloads to antibodies. <i>FASEB Journal</i> , 2015 , 29, 1763-79 | 0.9 | 10 |
| 38 | Risk of coronary artery disease as influenced by variants of the human endothelin and endothelin-converting enzyme genes. <i>Pharmacogenetics and Genomics</i> , 2007 , 17, 77-83 | 1.9 | 10 |

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|----|--|------|---|
| 37 | Recombinant immunotoxins for cancer therapy. <i>Expert Opinion on Biological Therapy</i> , 2001 , 1, 693-702 | 5.4 | 9 |
| 36 | Mutations of two lysine residues in the CDR loops of a recombinant immunotoxin that reduce its sensitivity to chemical derivatization. <i>Bioconjugate Chemistry</i> , 1994 , 5, 321-6 | 6.3 | 9 |
| 35 | Format chain exchange (FORCE) for high-throughput generation of bispecific antibodies in combinatorial binder-format matrices. <i>Nature Communications</i> , 2020 , 11, 4974 | 17.4 | 9 |
| 34 | Engineered hapten-binding antibody derivatives for modulation of pharmacokinetic properties of small molecules and targeted payload delivery. <i>Immunological Reviews</i> , 2016 , 270, 165-77 | 11.3 | 9 |
| 33 | PK modulation of haptenylated peptides via non-covalent antibody complexation. <i>Journal of Controlled Release</i> , 2013 , 171, 48-56 | 11.7 | 8 |
| 32 | Bispecific Antibodies for Targeted Delivery of Dendritic Polyglycerol (dPG) Prodrug Conjugates. <i>Current Cancer Drug Targets</i> , 2016 , 16, 639-49 | 2.8 | 8 |
| 31 | Identification of twelve polymorphisms in the endothelin-1 gene by use of fluorescently labeled oligonucleotides and PCR with restriction fragment polymorphism analysis. <i>Clinical Chemistry</i> , 2004 , 50, 448-51 | 5.5 | 7 |
| 30 | Highly flexible, IgG-shaped, trivalent antibodies effectively target tumor cells and induce T cell-mediated killing. <i>Biological Chemistry</i> , 2019 , 400, 343-350 | 4.5 | 7 |
| 29 | DuoMab: a novel CrossMab-based IgG-derived antibody format for enhanced antibody-dependent cell-mediated cytotoxicity. <i>MAbs</i> , 2019 , 11, 1402-1414 | 6.6 | 6 |
| 28 | Disruption of diphthamide synthesis genes and resulting toxin resistance as a robust technology for quantifying and optimizing CRISPR/Cas9-mediated gene editing. <i>Scientific Reports</i> , 2017 , 7, 15480 | 4.9 | 6 |
| 27 | Importance of diphthamide modified EF2 for translational accuracy and competitive cell growth in yeast. <i>PLoS ONE</i> , 2018 , 13, e0205870 | 3.7 | 6 |
| 26 | Influence of DPH1 and DPH5 Protein Variants on the Synthesis of Diphthamide, the Target of ADPRibosylating Toxins. <i>Toxins</i> , 2017 , 9, | 4.9 | 5 |
| 25 | Antibody-targeted chromatin enables effective intracellular delivery and functionality of CRISPR/Cas9 expression plasmids. <i>Nucleic Acids Research</i> , 2019 , 47, e55 | 20.1 | 5 |
| 24 | DPH1 syndrome: two novel variants and structural and functional analyses of seven missense variants identified in syndromic patients. <i>European Journal of Human Genetics</i> , 2020 , 28, 64-75 | 5.3 | 5 |
| 23 | Hapten-Binding Bispecific Antibodies for the Targeted Delivery of SiRNA and SiRNA-Containing Nanoparticles. <i>Methods in Molecular Biology</i> , 2016 , 1364, 219-34 | 1.4 | 4 |
| 22 | Transcytosis of payloads that are non-covalently complexed to bispecific antibodies across the hCMEC/D3 blood-brain barrier model. <i>Biological Chemistry</i> , 2018 , 399, 711-721 | 4.5 | 3 |
| 21 | Polymorphisms of the apoptosis-associated gene DP1L1 (deleted in polyposis 1-like 1) in colon cancer and inflammatory bowel disease. <i>Journal of Cancer Research and Clinical Oncology</i> , 2010 , 136, 795-802 | 4.9 | 3 |
| 20 | Common denominator procedure: a novel approach to gene-expression data mining for identification of phenotype-specific genes. <i>Bioinformatics</i> , 2005 , 21, 2766-72 | 7.2 | 3 |

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|----|--|-----|---|
| 19 | Pseudomonas exotoxin antisense RNA selectively kills hepatitis B virus infected cells. <i>World Journal of Gastroenterology</i> , 2008 , 14, 2810-7 | 5.6 | 3 |
| 18 | Back-to-Germline (B2G) Procedure for Antibody Devolution. <i>Antibodies</i> , 2019 , 8, | 7 | 2 |
| 17 | Diphthamide-deficiency syndrome: a novel human developmental disorder and ribosomopathy. <i>European Journal of Human Genetics</i> , 2020 , 28, 1497-1508 | 5.3 | 2 |
| 16 | Disulfide-Stabilized Fv Fragments 2010 , 181-189 | | 2 |
| 15 | Factors that Determine Sensitivity and Resistances of Tumor Cells Towards Antibody-Targeted Protein Toxins. <i>Resistance To Targeted Anti-cancer Therapeutics</i> , 2015 , 57-73 | 0.3 | 1 |
| 14 | The Contorsbody, an antibody format for agonism: Design, structure, and function. <i>Computational and Structural Biotechnology Journal</i> , 2020 , 18, 1210-1220 | 6.8 | 1 |
| 13 | Generation of fluorescent IgG fusion proteins in mammalian cells. <i>Methods in Molecular Biology</i> , 2012 , 901, 265-76 | 1.4 | 1 |
| 12 | Medikamente nach Ma Pharmakogenetik. <i>Biologie in Unserer Zeit</i> , 2002 , 32, 344-350 | 0.1 | 1 |
| 11 | Micro RNAs Promoting Growth and Metastasis in Preclinical Models of Subcutaneous Melanoma. <i>Cancer Genomics and Proteomics</i> , 2020 , 17, 651-667 | 3.3 | 1 |
| 10 | microRNAs and Corresponding Targets Involved in Metastasis of Colorectal Cancer in Preclinical Models. <i>Cancer Genomics and Proteomics</i> , 2020 , 17, 453-468 | 3.3 | 1 |
| 9 | Interplay between reversible phosphorylation and irreversible ADP-ribosylation of eukaryotic translation elongation factor 2. <i>Biological Chemistry</i> , 2019 , 400, 501-512 | 4.5 | 1 |
| 8 | Circular RNAs With Efficacy in Preclinical and Models of Esophageal Squamous Cell Carcinoma.. <i>Cancer Genomics and Proteomics</i> , 2022 , 19, 283-298 | 3.3 | 1 |
| 7 | Down-regulated MicroRNAs in Gastric Carcinoma May Be Targets for Therapeutic Intervention and Replacement Therapy. <i>Anticancer Research</i> , 2021 , 41, 4185-4202 | 2.3 | 0 |
| 6 | Gastric Cancer: Identification of microRNAs Inhibiting Druggable Targets and Mediating Efficacy in Preclinical Models. <i>Cancer Genomics and Proteomics</i> , 2021 , 18, 497-514 | 3.3 | 0 |
| 5 | Functional characterization of the 5'-regulatory region of human CYP2C19. <i>Clinical Pharmacology and Therapeutics</i> , 2003 , 73, P60-P60 | 6.1 | |
| 4 | Cambridge Healthtech Institute's 2nd Annual Conference on Pharmacogenomics Europe: presaging profits. <i>Pharmacogenomics</i> , 2001 , 2, 303-5 | 2.6 | |
| 3 | Stabilization Strategies and Application of Recombinant Fvs and Fv Fusion Proteins 2001 , 593-615 | | |
| 2 | Bispecific Antibodies 2017 , 75-97 | | |

- 1 Anti-Angiogenic Activity of a Tetravalent Bispecific Antibody (TAvi6) Targeting VEGF and Angiopoietin-2. *Blood*, **2010**, 116, 4304-4304

2.2