

Carlos F Barbas Iii

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.

31

papers

2,068

citations

21

h-index

31

g-index

31

ext. papers

2,199

ext. citations

6.3

avg, IF

4.46

L-index

#	Paper	IF	Citations
31	CDR walking mutagenesis for the affinity maturation of a potent human anti-HIV-1 antibody into the picomolar range. <i>Journal of Molecular Biology</i> , 1995 , 254, 392-403	6.5	308
30	Direct organocatalytic aldol reactions in buffered aqueous media. <i>Chemical Communications</i> , 2002 , 3024-58	5.8	268
29	Determination of cysteine concentration by fluorescence increase: reaction of cysteine with a fluorogenic aldehyde. <i>Chemical Communications</i> , 2004 , 1762-3	5.8	194
28	Methods for the generation of chicken monoclonal antibody fragments by phage display. <i>Journal of Immunological Methods</i> , 2000 , 242, 159-81	2.5	159
27	Expanding the Potential of DNA for Binding and Catalysis: Highly Functionalized dUTP Derivatives That Are Substrates for Thermostable DNA Polymerases. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 2872-2875	16.4	138
26	Direct organocatalytic asymmetric aldol reactions of alpha-amino aldehydes: expedient syntheses of highly enantiomerically enriched anti-beta-hydroxy-alpha-amino acids. <i>Organic Letters</i> , 2004 , 6, 3541-4	6.2	134
25	Cell-penetrating peptide-mediated delivery of TALEN proteins via bioconjugation for genome engineering. <i>PLoS ONE</i> , 2014 , 9, e85755	3.7	109
24	Broadening the Aldolase Catalytic Antibody Repertoire by Combining Reactive Immunization and Transition State Theory: New Enantio- and Diastereoselectivities. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 3738-3741	16.4	93
23	Catalytic Enantioselective Retro-Aldol Reactions: Kinetic Resolution of α -Hydroxyketones with Aldolase Antibodies. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 2481-2484	16.4	82
22	Enantioselective Total Synthesis of Some Brevicomins Using Aldolase Antibody 38C2. <i>Chemistry - A European Journal</i> , 1998 , 4, 881-885	4.8	68
21	Integrin alpha(v)beta3 targeted therapy for Kaposi's sarcoma with an in vitro evolved antibody. <i>FASEB Journal</i> , 2002 , 16, 2000-2	0.9	62
20	Direct observation of an enamine intermediate in amine catalysis. <i>Journal of the American Chemical Society</i> , 2009 , 131, 18206-7	16.4	56
19	Controlling gene expression in plants using synthetic zinc finger transcription factors. <i>Plant Journal</i> , 2002 , 32, 1077-86	6.9	56
18	Expanding the scope of site-specific recombinases for genetic and metabolic engineering. <i>Biotechnology and Bioengineering</i> , 2014 , 111, 1-15	4.9	53
17	Small molecule drug activity in melanoma models may be dramatically enhanced with an antibody effector. <i>International Journal of Cancer</i> , 2006 , 119, 1194-207	7.5	39
16	Phage display selection of peptides possessing aldolase activity. <i>Chemical Communications</i> , 2001 , 769-770	3.8	38
15	Simultaneous targeting of TNF and Ang2 with a novel bispecific antibody enhances efficacy in an in vivo model of arthritis. <i>MAbs</i> , 2012 , 4, 600-13	6.6	37

LIST OF PUBLICATIONS

14	Maspin alters the carcinoma proteome. <i>FASEB Journal</i> , 2005 , 19, 1123-4	0.9	32
13	Erweiterung der Bindungs- und Katalyse-eigenschaften von DNA: hochfunktionalisierte dUTP-Derivate als Substrate für thermostabile DNA-Polymerasen. <i>Angewandte Chemie</i> , 1998 , 110, 2998-3002	3.6	24
12	Selective arylthiolane deprotection by singlet oxygen: a promising tool for sensors and prodrugs. <i>Chemical Communications</i> , 2015 , 51, 3196-9	5.8	23
11	Katalytische enantioselektive Retro-Aldolreaktion: kinetische Racematspaltung von α -Hydroxyketonen durch Aldolase-Antikörper. <i>Angewandte Chemie</i> , 1998 , 110, 2609-2612	3.6	23
10	Potent inhibition of HIV-1 entry with a chemically programmed antibody aided by an efficient organocatalytic synthesis. <i>ChemBioChem</i> , 2010 , 11, 2113-8	3.8	18
9	Enamine Catalysis: Aldol and Mannich-Type Reactions 19-55		17
8	A chemically programmed antibody is a long-lasting and potent inhibitor of influenza neuraminidase. <i>ChemBioChem</i> , 2012 , 13, 2191-5	3.8	11
7	Redesigning Recombinase Specificity for Safe Harbor Sites in the Human Genome. <i>PLoS ONE</i> , 2015 , 10, e0139123	3.7	10
6	Reactivation of Latent HIV-1 Expression by Engineered TALE Transcription Factors. <i>PLoS ONE</i> , 2016 , 11, e0150037	3.7	10
5	Bacteriophage Display of Combinatorial Antibody Libraries 2001 ,		2
4	Organocatalytic Approaches to Enantioenriched α -Amino Acids 2005 , 195-213		1
3	Reactive Immunization: A Unique Approach to Aldolase Antibodies 2005 , 304-335		1
2	Catalytic Enantioselective Retro-Aldol Reactions: Kinetic Resolution of α -Hydroxyketones with Aldolase Antibodies 1998 , 37, 2481		1
1	Expanding the Potential of DNA for Binding and Catalysis: Highly Functionalized dUTP Derivatives That Are Substrates for Thermostable DNA Polymerases 1998 , 37, 2872		1