

Carlos F Barbas Iii

List of Publications by Year in Descending Order

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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 | Reactivation of Latent HIV-1 Expression by Engineered TALE Transcription Factors. <i>PLoS ONE</i> , 2016 , 11, e0150037 | 3.7 | 10 |
| 30 | Selective arylthiolane deprotection by singlet oxygen: a promising tool for sensors and prodrugs. <i>Chemical Communications</i> , 2015 , 51, 3196-9 | 5.8 | 23 |
| 29 | Redesigning Recombinase Specificity for Safe Harbor Sites in the Human Genome. <i>PLoS ONE</i> , 2015 , 10, e0139123 | 3.7 | 10 |
| 28 | Expanding the scope of site-specific recombinases for genetic and metabolic engineering. <i>Biotechnology and Bioengineering</i> , 2014 , 111, 1-15 | 4.9 | 53 |
| 27 | Cell-penetrating peptide-mediated delivery of TALEN proteins via bioconjugation for genome engineering. <i>PLoS ONE</i> , 2014 , 9, e85755 | 3.7 | 109 |
| 26 | A chemically programmed antibody is a long-lasting and potent inhibitor of influenza neuraminidase. <i>ChemBioChem</i> , 2012 , 13, 2191-5 | 3.8 | 11 |
| 25 | 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 |
| 24 | 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 |
| 23 | Direct observation of an enamine intermediate in amine catalysis. <i>Journal of the American Chemical Society</i> , 2009 , 131, 18206-7 | 16.4 | 56 |
| 22 | 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 |
| 21 | Organocatalytic Approaches to Enantioenriched α -Amino Acids 2005 , 195-213 | | 1 |
| 20 | Reactive Immunization: A Unique Approach to Aldolase Antibodies 2005 , 304-335 | | 1 |
| 19 | Maspin alters the carcinoma proteome. <i>FASEB Journal</i> , 2005 , 19, 1123-4 | 0.9 | 32 |
| 18 | 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 |
| 17 | Determination of cysteine concentration by fluorescence increase: reaction of cysteine with a fluorogenic aldehyde. <i>Chemical Communications</i> , 2004 , 1762-3 | 5.8 | 194 |
| 16 | Controlling gene expression in plants using synthetic zinc finger transcription factors. <i>Plant Journal</i> , 2002 , 32, 1077-86 | 6.9 | 56 |
| 15 | 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 |

LIST OF PUBLICATIONS

| | | |
|----|---|----------|
| 14 | Direct organocatalytic aldol reactions in buffered aqueous media. <i>Chemical Communications</i> , 2002 , 3024-58 | 268 |
| 13 | Bacteriophage Display of Combinatorial Antibody Libraries 2001 , | 2 |
| 12 | Phage display selection of peptides possessing aldolase activity. <i>Chemical Communications</i> , 2001 , 769-7708 | 38 |
| 11 | 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 |
| 10 | 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 |
| 9 | Katalytische enantioselektive Retro-Aldolreaktion: kinetische Racematspaltung von α -Hydroxyketonen durch Aldolase-Antikörper. <i>Angewandte Chemie</i> , 1998 , 110, 2609-2612 | 3.6 23 |
| 8 | 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 |
| 7 | Enantioselective Total Synthesis of Some Brevicomins Using Aldolase Antibody 38C2. <i>Chemistry - A European Journal</i> , 1998 , 4, 881-885 | 4.8 68 |
| 6 | 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 |
| 5 | 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 |
| 4 | Catalytic Enantioselective Retro-Aldol Reactions: Kinetic Resolution of α -Hydroxyketones with Aldolase Antibodies 1998 , 37, 2481 | 1 |
| 3 | Expanding the Potential of DNA for Binding and Catalysis: Highly Functionalized dUTP Derivatives That Are Substrates for Thermostable DNA Polymerases 1998 , 37, 2872 | 1 |
| 2 | 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 |
| 1 | Enamine Catalysis: Aldol and Mannich-Type Reactions 19-55 | 17 |