

Steve Brocchini

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

2,263
citations

218677

26
h-index

223800

46
g-index

49
all docs

49
docs citations

49
times ranked

2924
citing authors

#	ARTICLE	IF	CITATIONS
1	Polyvalent dendrimer glucosamine conjugates prevent scar tissue formation. <i>Nature Biotechnology</i> , 2004, 22, 977-984.	17.5	313
2	Site-specific PEGylation of native disulfide bonds in therapeutic proteins. <i>Nature Chemical Biology</i> , 2006, 2, 312-313.	8.0	246
3	Disulfide bridge based PEGylation of proteins. <i>Advanced Drug Delivery Reviews</i> , 2008, 60, 3-12.	13.7	170
4	Site-Specific PEGylation of Protein Disulfide Bonds Using a Three-Carbon Bridge. <i>Bioconjugate Chemistry</i> , 2007, 18, 61-76.	3.6	152
5	Principles of pharmacology in the eye. <i>British Journal of Pharmacology</i> , 2017, 174, 4205-4223.	5.4	137
6	PEGylation of native disulfide bonds in proteins. <i>Nature Protocols</i> , 2006, 1, 2241-2252.	12.0	110
7	Site-Specific PEGylation at Histidine Tags. <i>Bioconjugate Chemistry</i> , 2012, 23, 248-263.	3.6	68
8	Molecular Modeling to Study Dendrimers for Biomedical Applications. <i>Molecules</i> , 2014, 19, 20424-20467.	3.8	66
9	The PK-Eye: A Novel In Vitro Ocular Flow Model for Use in Preclinical Drug Development. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 3330-3342.	3.3	59
10	Electrospun formulations of bevacizumab for sustained release in the eye. <i>Acta Biomaterialia</i> , 2017, 64, 126-136.	8.3	59
11	Antibody loaded collapsible hyaluronic acid hydrogels for intraocular delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 124, 95-103.	4.3	59
12	Comparative Binding of Disulfide-Bridged PEG-Fabs. <i>Bioconjugate Chemistry</i> , 2012, 23, 2262-2277.	3.6	55
13	A New Reagent for Stable Thiol-Specific Conjugation. <i>Bioconjugate Chemistry</i> , 2014, 25, 460-469.	3.6	48
14	An information rich biomedical polymer library. <i>Journal of Materials Chemistry</i> , 2003, 13, 2825-2837.	6.7	44
15	Measuring antibody coatings on gold nanoparticles by optical spectroscopy. <i>RSC Advances</i> , 2015, 5, 24521-24527.	3.6	43
16	Site-selective protein conjugation at histidine. <i>Chemical Science</i> , 2019, 10, 427-439.	7.4	42
17	A Novel Transdermal Protein Delivery Strategy via Electrohydrodynamic Coating of PLGA Microparticles onto Microneedles. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 12478-12488.	8.0	42
18	Fab-PEG-Fab as a Potential Antibody Mimetic. <i>Bioconjugate Chemistry</i> , 2013, 24, 1870-1882.	3.6	41

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19	Electrospun formulations of acyclovir, ciprofloxacin and cyanocobalamin for ocular drug delivery. <i>International Journal of Pharmaceutics</i> , 2016, 502, 208-218.	5.2	41
20	Development of Targeted siRNA Nanocomplexes to Prevent Fibrosis in Experimental Glaucoma Filtration Surgery. <i>Molecular Therapy</i> , 2018, 26, 2812-2822.	8.2	36
21	3D Printed Punctal Plugs for Controlled Ocular Drug Delivery. <i>Pharmaceutics</i> , 2021, 13, 1421.	4.5	35
22	Injectables and Depots to Prolong Drug Action of Proteins and Peptides. <i>Pharmaceutics</i> , 2020, 12, 999.	4.5	32
23	Development of chitosan-pullulan composite nanoparticles for nasal delivery of vaccines: optimisation and cellular studies. <i>Journal of Microencapsulation</i> , 2015, 32, 755-768.	2.8	31
24	Development of chitosan-pullulan composite nanoparticles for nasal delivery of vaccines: in vivo studies. <i>Journal of Microencapsulation</i> , 2015, 32, 769-783.	2.8	29
25	Sustained release ophthalmic dexamethasone: In vitro in vivo correlations derived from the PK-Eye. <i>International Journal of Pharmaceutics</i> , 2017, 522, 119-127.	5.2	29
26	Water-soluble polyacetals derived from diphenols. <i>Journal of Materials Chemistry</i> , 2005, 15, 1849.	6.7	28
27	β -Galactosylceramide and peptide-based nano-vaccine synergistically induced a strong tumor suppressive effect in melanoma. <i>Acta Biomaterialia</i> , 2018, 76, 193-207.	8.3	27
28	In situ antibody-loaded hydrogel for intravitreal delivery. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 137, 104993.	4.0	27
29	Expression of soluble and active interferon consensus in SUMO fusion expression system in <i>E. coli</i> . <i>Protein Expression and Purification</i> , 2014, 99, 18-26.	1.3	24
30	Preclinical challenges for developing long acting intravitreal medicines. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020, 153, 130-149.	4.3	21
31	An anti-TNF- α antibody mimetic to treat ocular inflammation. <i>Scientific Reports</i> , 2016, 6, 36905.	3.3	20
32	Comparative Study of In Situ Loaded Antibody and PEG-Fab NIPAAm Gels. <i>Macromolecular Bioscience</i> , 2018, 18, 1700255.	4.1	16
33	Rational design of novel, fluorescent, tagged glutamic acid dendrimers with different terminal groups and in silico analysis of their properties. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 7053-7073.	6.7	15
34	Molecular Dynamics Simulations of Proteins with Chemically Modified Disulfide Bonds. <i>Theoretical Chemistry Accounts</i> , 2007, 117, 259-265.	1.4	12
35	Aconityl-derived polymers for biomedical applications. Modeling study of cis-trans isomerisation. <i>Theoretical Chemistry Accounts</i> , 2003, 109, 206-212.	1.4	11
36	Poly(methacrylic acid) complexation of amphotericin B to treat neglected diseases. <i>Polymer Chemistry</i> , 2014, 5, 1037-1048.	3.9	10

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37	An Ilomastat-CD Eye Drop Formulation to Treat Ocular Scarring. , 2017, 58, 3425.		10
38	Comparative thermodynamic analysis in solution of a next generation antibody mimetic to VEGF. RSC Advances, 2018, 8, 35787-35793.	3.6	9
39	Disulfide-bridging PEGylation during refolding for the more efficient production of modified proteins. Biotechnology Journal, 2016, 11, 1088-1099.	3.5	8
40	Practical computational toolkits for dendrimers and dendrons structure design. Journal of Computer-Aided Molecular Design, 2017, 31, 817-827.	2.9	8
41	A simple route to functionalising electrospun polymer scaffolds with surface biomolecules. International Journal of Pharmaceutics, 2021, 597, 120231.	5.2	7
42	Inhibiting the fibrillation of a GLP-1-like peptide. International Journal of Pharmaceutics, 2020, 574, 118923.	5.2	6
43	An investigation of alkaline phosphatase enzymatic activity after electrospinning and electrospraying. Journal of Drug Delivery Science and Technology, 2021, 64, 102592.	3.0	5
44	Polymers in medicine; a game of chess-¾. Drug Discovery Today, 2003, 8, 111-112.	6.4	3
45	LC-MS analysis to determine the biodistribution of a polymer coated ilomastat ocular implant. Journal of Pharmaceutical and Biomedical Analysis, 2018, 157, 100-106.	2.8	2
46	Protein modification by bis-alkylation. , 2020, , 351-385.		2
47	Interferon dimers: IFN-PEG-IFN. Journal of Drug Targeting, 2017, 25, 881-890.	4.4	1
48	Dual-acting therapeutic proteins for intraocular use. Drug Discovery Today, 2021, 26, 44-55.	6.4	1