Steve Brocchini

List of Publications by Year
in descending order

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	Dual-acting therapeutic proteins for intraocular use. Drug Discovery Today, 2021, 26, 44-55.	6.4	1
2	A simple route to functionalising electrospun polymer scaffolds with surface biomolecules. International Journal of Pharmaceutics, 2021, 597, 120231.	5.2	7
3	An investigation of alkaline phosphatase enzymatic activity after electrospinning and electrospraying. Journal of Drug Delivery Science and Technology, 2021, 64, 102592.	3.0	5
4	3D Printed Punctal Plugs for Controlled Ocular Drug Delivery. Pharmaceutics, 2021, 13, 1421.	4.5	35
5	Protein modification by bis-alkylation. , 2020, , 351-385.		2
6	Inhibiting the fibrillation of a GLP-1-like peptide. International Journal of Pharmaceutics, 2020, 574, 118923.	5.2	6
7	Injectables and Depots to Prolong Drug Action of Proteins and Peptides. Pharmaceutics, 2020, 12, 999.	4.5	32
8	A Novel Transdermal Protein Delivery Strategy via Electrohydrodynamic Coating of PLGA Microparticles onto Microneedles. ACS Applied Materials & Interfaces, 2020, 12, 12478-12488.	8.0	42
9	Preclinical challenges for developing long acting intravitreal medicines. European Journal of Pharmaceutics and Biopharmaceutics, 2020, 153, 130-149.	4.3	21
10	In situ antibody-loaded hydrogel for intravitreal delivery. European Journal of Pharmaceutical Sciences, 2019, 137, 104993.	4.0	27
11	Site-selective protein conjugation at histidine. Chemical Science, 2019, 10, 427-439.	7.4	42
12	Antibody loaded collapsible hyaluronic acid hydrogels for intraocular delivery. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 124, 95-103.	4.3	59
13	Comparative Study of In Situ Loaded Antibody and PEGâ€Fab NIPAAM Gels. Macromolecular Bioscience, 2018, 18, 1700255.	4.1	16
14	Development of Targeted siRNA Nanocomplexes to Prevent Fibrosis in Experimental Glaucoma Filtration Surgery. Molecular Therapy, 2018, 26, 2812-2822.	8.2	36
15	Comparative thermodynamic analysis in solution of a next generation antibody mimetic to VEGF. RSC Advances, 2018, 8, 35787-35793.	3.6	9
16	LCâ€“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
17	Î±-Galactosylceramide and peptide-based nano-vaccine synergistically induced a strong tumor suppressive effect in melanoma. Acta Biomaterialia, 2018, 76, 193-207.	8.3	27
18	Sustained release ophthalmic dexamethasone: In vitro in vivo correlations derived from the PK-Eye. International Journal of Pharmaceutics, 2017, 522, 119-127.	5.2	29

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19	Electrospun formulations of bevacizumab for sustained release in the eye. Acta Biomaterialia, 2017, 64, 126-136.	8.3	59
20	Interferon dimers: IFN-PEG-IFN. Journal of Drug Targeting, 2017, 25, 881-890.	4.4	1
21	Practical computational toolkits for dendrimers and dendrons structure design. Journal of Computer-Aided Molecular Design, 2017, 31, 817-827.	2.9	8
22	Principles of pharmacology in the eye. British Journal of Pharmacology, 2017, 174, 4205-4223.	5.4	137
23	Rational design of novel, fluorescent, tagged glutamic acid dendrimers with different terminal groups and in silico analysis of their properties. International Journal of Nanomedicine, 2017, Volume 12, 7053-7073.	6.7	15
24	An Ilomastat-CD Eye Drop Formulation to Treat Ocular Scarring. , 2017, 58, 3425.		10
25	An anti-TNF-Î± antibody mimetic to treat ocular inflammation. Scientific Reports, 2016, 6, 36905.	3.3	20
26	Disulfideâ€“bridging PEGylation during refolding for the more efficient production of modified proteins. Biotechnology Journal, 2016, 11, 1088-1099.	3.5	8
27	Electrospun formulations of acyclovir, ciprofloxacin and cyanocobalamin for ocular drug delivery. International Journal of Pharmaceutics, 2016, 502, 208-218.	5.2	41
28	The PK-Eye: A Novel In Vitro Ocular Flow Model for Use in Preclinical Drug Development. Journal of Pharmaceutical Sciences, 2015, 104, 3330-3342.	3.3	59
29	Measuring antibody coatings on gold nanoparticles by optical spectroscopy. RSC Advances, 2015, 5, 24521-24527.	3.6	43
30	Development of chitosanâ€“pullulan composite nanoparticles for nasal delivery of vaccines:in vivostudies. Journal of Microencapsulation, 2015, 32, 769-783.	2.8	29
31	Development of chitosanâ€“pullulan composite nanoparticles for nasal delivery of vaccines: optimisation and cellular studies. Journal of Microencapsulation, 2015, 32, 755-768.	2.8	31
32	Molecular Modeling to Study Dendrimers for Biomedical Applications. Molecules, 2014, 19, 20424-20467.	3.8	66
33	Expression of soluble and active interferon consensus in SUMO fusion expression system in E. coli. Protein Expression and Purification, 2014, 99, 18-26.	1.3	24
34	A New Reagent for Stable Thiol-Specific Conjugation. Bioconjugate Chemistry, 2014, 25, 460-469.	3.6	48
35	Poly(methacrylic acid) complexation of amphotericin B to treat neglected diseases. Polymer Chemistry, 2014, 5, 1037-1048.	3.9	10
36	Fab-PEG-Fab as a Potential Antibody Mimetic. Bioconjugate Chemistry, 2013, 24, 1870-1882.	3.6	41

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37	Site-Specific PEGylation at Histidine Tags. Bioconjugate Chemistry, 2012, 23, 248-263.	3.6	68
38	Comparative Binding of Disulfide-Bridged PEG-Fabs. Bioconjugate Chemistry, 2012, 23, 2262-2277.	3.6	55
39	Disulfide bridge based PEGylation of proteins. Advanced Drug Delivery Reviews, 2008, 60, 3-12.	13.7	170
40	Site-Specific PEGylation of Protein Disulfide Bonds Using a Three-Carbon Bridge. Bioconjugate Chemistry, 2007, 18, 61-76.	3.6	152
41	Molecular Dynamics Simulations of Proteins with Chemically Modified Disulfide Bonds. Theoretical Chemistry Accounts, 2007, 117, 259-265.	1.4	12
42	Site-specific PEGylation of native disulfide bonds in therapeutic proteins. Nature Chemical Biology, 2006, 2, 312-313.	8.0	246
43	PEGylation of native disulfide bonds in proteins. Nature Protocols, 2006, 1, 2241-2252.	12.0	110
44	Water-soluble polyacetals derived from diphenols. Journal of Materials Chemistry, 2005, 15, 1849.	6.7	28
45	Polyvalent dendrimer glucosamine conjugates prevent scar tissue formation. Nature Biotechnology, 2004, 22, 977-984.	17.5	313
46	Aconityl-derived polymers for biomedical applications. Modeling study of cis-trans isomerisation. Theoretical Chemistry Accounts, 2003, 109, 206-212.	1.4	11
47	Polymers in medicine; a game of chessâ–¾. Drug Discovery Today, 2003, 8, 111-112.	6.4	3
48	An information rich biomedical polymer library. Journal of Materials Chemistry, 2003, 13, 2825-2837.	6.7	44