Bin Cao

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/11965904/publications.pdf

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21 papers	1,234 citations	471509 17 h-index	677142 22 g-index
24 all docs	24 docs citations	24 times ranked	1799 citing authors

#	Article	IF	Citations
1	Suzukiâ€“Miyaura Coupling Reaction by PdII-Catalyzed Aromatic Cï£¿H Bond Activation Directed by anN-Alkyl Acetamino Group. Angewandte Chemie - International Edition, 2007, 46, 5554-5558.	13.8	302
2	Switchable Antimicrobial and Antifouling Hydrogels with Enhanced Mechanical Properties. Advanced Healthcare Materials, 2013, 2, 1096-1102.	7.6	130
3	ROS responsive resveratrol delivery from LDLR peptide conjugated PLA-coated mesoporous silica nanoparticles across the bloodâ€“brain barrier. Journal of Nanobiotechnology, 2018, 16, 13.	9.1	96
4	Zwitterionic polymer/polydopamine coating reduce acute inflammatory tissue responses to neural implants. Biomaterials, 2019, 225, 119519.	11.4	83
5	Electroactive poly(sulfobetaine-3,4-ethylenedioxythiophene) (PSBEDOT) with controllable antifouling and antimicrobial properties. Chemical Science, 2016, 7, 1976-1981.	7.4	66
6	Recent advances of zwitterionic carboxybetaine materials and their derivatives. Journal of Biomaterials Science, Polymer Edition, 2014, 25, 1502-1513.	3.5	65
7	The impact of structure on elasticity, switchability, stability and functionality of an all-in-one carboxybetaine elastomer. Biomaterials, 2013, 34, 7592-7600.	11.4	64
8	Zwitteration of dextran: a facile route to integrate antifouling, switchability and optical transparency into natural polymers. Chemical Communications, 2014, 50, 3234-3237.	4.1	61
9	Integrated zwitterionic conjugated poly(carboxybetaine thiophene) as a new biomaterial platform. Chemical Science, 2015, 6, 782-788.	7.4	42
10	Dextranâ€“Peptide Hybrid for Efficient Gene Delivery. Langmuir, 2014, 30, 5202-5208.	3.5	40
11	Self-assembly of halogen substituted phenazines. Journal of Materials Chemistry, 2010, 20, 867-873.	6.7	34
12	Selective Gene Delivery to Cancer Cells Using an Integrated Cationic Amphiphilic Peptide. Langmuir, 2012, 28, 16126-16132.	3.5	33
13	New Antifouling Silica Hydrogel. Langmuir, 2012, 28, 9700-9706.	3.5	28
14	Cholesterol-Peptide Hybrids to Form Liposome-Like Vesicles for Gene Delivery. PLoS ONE, 2013, 8, e54460.	2.5	28
15	Structureâ€“Function Relationships of a Tertiary Amine-Based Polycarboxybetaine. Langmuir, 2015, 31, 9965-9972.	3.5	23
16	Facile Synthesis of a 3,4-Ethylene-Dioxythiophene (EDOT) Derivative for Ease of Bio-Functionalization of the Conducting Polymer PEDOT. Frontiers in Chemistry, 2019, 7, 178.	3.6	18
17	Tuning the electronic properties of phenazine and bisphenazine derivatives: a theoretical and experimental investigation. Physical Chemistry Chemical Physics, 2010, 12, 12727.	2.8	14
18	A naturally derived dextranâ€“peptide vector for microRNA antagomir delivery. RSC Advances, 2015, 5, 28019-28022.	3.6	8

#	Article	IF	Citations
19	A Versatile Microparticle-Based Immunoaggregation Assay for Macromolecular Biomarker Detection and Quantification. PLoS ONE, 2015, 10, e0115046.	2.5	5
20	Receptor Mapping by Comparative Molecular Field Analysis of Phospholipase A₂ Inhibitors. Journal of the Chinese Chemical Society, 1995, 42, 739-744.	1.4	1
21	Suzukiâ€“Miyaura Coupling Reaction by PdII-Catalyzed Aromatic Cï£¿H Bond Activation Directed by anN-Alkyl Acetamino Group. Angewandte Chemie - International Edition, 2007, 46, 7730-7730.	13.8	0