Srinivas Abbina

List of Publications by Year
in descending order

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31	1,083	430442	454577
papers	citations	18 h-index	30 g-index

31	31	31	1628
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Influence of Steric Shield on Biocompatibility and Antithrombotic Activity of Dendritic Polyphosphate Inhibitor. Molecular Pharmaceutics, 2022, 19, 1853-1865.	2.3	3
2	A facile colorimetric method for the quantification of labile iron pool and total iron in cells and tissue specimens. Scientific Reports, 2021, 11, 6008.	1.6	24
3	Role of Iron in the Molecular Pathogenesis of Diseases and Therapeutic Opportunities. ACS Chemical Biology, 2021, 16, 945-972.	1.6	21
4	Rheological and clot microstructure evaluation of heparin neutralization by UHRA and protamine. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 124, 104851.	1.5	2
5	Mechanistic insights into COVID-19 by global analysis of the SARS-CoV-2 3CLpro substrate degradome. Cell Reports, 2021, 37, 109892.	2.9	60
6	Mucinâ€Inspired, High Molecular Weight Virus Binding Inhibitors Show Biphasic Binding Behavior to Influenza A Viruses. Small, 2020, 16, e2004635.	5.2	15
7	Mega macromolecules as single molecule lubricants for hard and soft surfaces. Nature Communications, 2020, 11, 2139.	5.8	25
8	Targeting Biological Polyanions in Blood: Strategies toward the Design of Therapeutics. Biomacromolecules, 2020, 21, 2595-2621.	2.6	7
9	Blood circulation of soft nanomaterials is governed by dynamic remodeling of protein opsonins at nano-biointerface. Nature Communications, 2020, 11, 3048.	5.8	59
10	Polyglycerol-Based Macromolecular Iron Chelator Adjuvants for Antibiotics To Treat Drug-Resistant Bacteria. ACS Applied Materials & Interfaces, 2020, 12, 37834-37844.	4.0	8
11	Simplified high yield TAILS terminomics using a new HPG-ALD 800K-2000 polymer with precipitation. Methods in Enzymology, 2019, 626, 429-446.	0.4	4
12	Design of Safe Nanotherapeutics for the Excretion of Excess Systemic Toxic Iron. ACS Central Science, 2019, 5, 917-926.	5.3	27
13	Design of Polyphosphate Inhibitors: A Molecular Dynamics Investigation on Polyethylene Glycol-Linked Cationic Binding Groups. Biomacromolecules, 2018, 19, 1358-1367.	2.6	12
14	Surface Engineering for Cell-Based Therapies: Techniques for Manipulating Mammalian Cell Surfaces. ACS Biomaterials Science and Engineering, 2018, 4, 3658-3677.	2.6	67
15	Comparison of reversal activity and mechanism of action of UHRA, andexanet, and PER977 on heparin and oral FXa inhibitors. Blood Advances, 2018, 2, 2104-2114.	2.5	43
16	Ringâ€Opening Copolymerization of Styrene Oxide and Cyclic Anhydrides by using Highly Effective Zinc Amidoâ€“Oxazolinate Catalysts. ChemCatChem, 2017, 9, 1343-1348.	1.8	25
17	Antimicrobial Peptideâ€“Polymer Conjugates with High Activity: Influence of Polymer Molecular Weight and Peptide Sequence on Antimicrobial Activity, Proteolysis, and Biocompatibility. ACS Applied Materials & Interfaces, 2017, 9, 37575-37586.	4.0	59
18	A Polymer Therapeutic Having Universal Heparin Reversal Activity: Molecular Design and Functional Mechanism. Biomacromolecules, 2017, 18, 3343-3358.	2.6	26

#	Article	IF	Citations
19	Hyperbranched polyglycerols: recent advances in synthesis, biocompatibility and biomedical applications. Journal of Materials Chemistry B, 2017, 5, 9249-9277.	2.9	113
20	Nontransformed and Cancer Cells Can Utilize Different Endocytic Pathways To Internalize Dendritic Nanoparticle Variants: Implications on Nanocarrier Design. Biomacromolecules, 2017, 18, 2427-2438.	2.6	18
21	In Vivo Biological Evaluation of High Molecular Weight Multifunctional Acid-Degradable Polymeric Drug Carriers with Structurally Different Ketals. Biomacromolecules, 2016, 17, 3683-3693.	2.6	15
22	InÂvivo efficacy, toxicity and biodistribution of ultra-long circulating desferrioxamine based polymeric iron chelator. Biomaterials, 2016, 102, 58-71.	5.7	42
23	Ring-Opening Polymerization of rac-Lactide with Aluminum Chiral Anilido-Oxazolinate Complexes. Organometallics, 2014, 33, 2489-2495.	1.1	42
24	Zinc-Catalyzed Highly Isoselective Ring Opening Polymerization of rac-Lactide. ACS Macro Letters, 2014, 3, 689-692.	2.3	163
25	Converting forage sorghum and sunn hemp into biofuels through dilute acid pretreatment. Industrial Crops and Products, 2013, 49, 598-609.	2.5	49
26	Unexpected Formation of Chiral Pincer CNN Nickel Complexes with Î²-Diketiminato Type Ligands via Câ€“H Activation: Synthesis, Properties, Structures, and Computational Studies. Inorganic Chemistry, 2013, 52, 1454-1465.	1.9	18
27	Scope and Mechanistic Studies of Catalytic Hydrosilylation with a High-Valent Nitridoruthenium(VI). ACS Catalysis, 2013, 3, 678-684.	5.5	44
28	Chiral Amido-Oxazolinate Zinc Complexes for Asymmetric Alternating Copolymerization of CO₂ and Cyclohexene Oxide. Organometallics, 2012, 31, 7394-7403.	1.1	50
29	Modular Synthesis of Chiral Î²-Diketiminato-Type Ligands Containing 2-Oxazoline Moiety via Palladium-Catalyzed Amination. Synthesis, 2011, 2011, 2609-2618.	1.2	9
30	Molecular, supramolecular structure and catalytic activity of transition metal complexes of phenoxy acetic acid derivatives. Polyhedron, 2007, 26, 5225-5234.	1.0	33
31	Unravelling the binding energetics of a synthetic polymeric heparin antidote with heparin using isothermal titration calorimetry. Frontiers in Bioengineering and Biotechnology, 0, 4, .	2.0	0