

# Srinivas Abbina

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

1,083  
citations

430442

18  
h-index

454577

30  
g-index

31  
all docs

31  
docs citations

31  
times ranked

1628  
citing authors

#	ARTICLE	IF	CITATIONS
1	Zinc-Catalyzed Highly Isolelective Ring Opening Polymerization of <i>rac</i> -Lactide. ACS Macro Letters, 2014, 3, 689-692.	2.3	163
2	Hyperbranched polyglycerols: recent advances in synthesis, biocompatibility and biomedical applications. Journal of Materials Chemistry B, 2017, 5, 9249-9277.	2.9	113
3	Surface Engineering for Cell-Based Therapies: Techniques for Manipulating Mammalian Cell Surfaces. ACS Biomaterials Science and Engineering, 2018, 4, 3658-3677.	2.6	67
4	Mechanistic insights into COVID-19 by global analysis of the SARS-CoV-2 3CLpro substrate degradome. Cell Reports, 2021, 37, 109892.	2.9	60
5	Antimicrobial Peptide-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
6	Blood circulation of soft nanomaterials is governed by dynamic remodeling of protein opsonins at nano-biointerface. Nature Communications, 2020, 11, 3048.	5.8	59
7	Chiral Amido-Oxazolate Zinc Complexes for Asymmetric Alternating Copolymerization of CO <sub>2</sub> and Cyclohexene Oxide. Organometallics, 2012, 31, 7394-7403.	1.1	50
8	Converting forage sorghum and sunn hemp into biofuels through dilute acid pretreatment. Industrial Crops and Products, 2013, 49, 598-609.	2.5	49
9	Scope and Mechanistic Studies of Catalytic Hydrosilylation with a High-Valent Nitridoruthenium(VI). ACS Catalysis, 2013, 3, 678-684.	5.5	44
10	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
11	Ring-Opening Polymerization of <i>rac</i> -Lactide with Aluminum Chiral Anilido-Oxazolate Complexes. Organometallics, 2014, 33, 2489-2495.	1.1	42
12	In vivo efficacy, toxicity and biodistribution of ultra-long circulating desferrioxamine based polymeric iron chelator. Biomaterials, 2016, 102, 58-71.	5.7	42
13	Molecular, supramolecular structure and catalytic activity of transition metal complexes of phenoxy acetic acid derivatives. Polyhedron, 2007, 26, 5225-5234.	1.0	33
14	Design of Safe Nanotherapeutics for the Excretion of Excess Systemic Toxic Iron. ACS Central Science, 2019, 5, 917-926.	5.3	27
15	A Polymer Therapeutic Having Universal Heparin Reversal Activity: Molecular Design and Functional Mechanism. Biomacromolecules, 2017, 18, 3343-3358.	2.6	26
16	Ring-Opening Copolymerization of Styrene Oxide and Cyclic Anhydrides by using Highly Effective Zinc Amido-Oxazolate Catalysts. ChemCatChem, 2017, 9, 1343-1348.	1.8	25
17	Mega macromolecules as single molecule lubricants for hard and soft surfaces. Nature Communications, 2020, 11, 2139.	5.8	25
18	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

#	ARTICLE	IF	CITATIONS
19	Role of Iron in the Molecular Pathogenesis of Diseases and Therapeutic Opportunities. ACS Chemical Biology, 2021, 16, 945-972.	1.6	21
20	Unexpected Formation of Chiral Pincer CNN Nickel Complexes with $\hat{\text{I}}^2$ -Diketiminato Type Ligands via C $\hat{\text{C}}^{\text{H}}$ Activation: Synthesis, Properties, Structures, and Computational Studies. Inorganic Chemistry, 2013, 52, 1454-1465.	1.9	18
21	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
22	<i>In Vivo</i> Biological Evaluation of High Molecular Weight Multifunctional Acid-Degradable Polymeric Drug Carriers with Structurally Different Ketals. Biomacromolecules, 2016, 17, 3683-3693.	2.6	15
23	Mucin $\hat{\text{C}}$ -Inspired, High Molecular Weight Virus Binding Inhibitors Show Biphasic Binding Behavior to Influenza A Viruses. Small, 2020, 16, e2004635.	5.2	15
24	Design of Polyphosphate Inhibitors: A Molecular Dynamics Investigation on Polyethylene Glycol-Linked Cationic Binding Groups. Biomacromolecules, 2018, 19, 1358-1367.	2.6	12
25	Modular Synthesis of Chiral $\hat{\text{I}}^2$ -Diketiminato-Type Ligands Containing 2-Oxazoline Moiety via Palladium-Catalyzed Amination. Synthesis, 2011, 2011, 2609-2618.	1.2	9
26	Polyglycerol-Based Macromolecular Iron Chelator Adjuvants for Antibiotics To Treat Drug-Resistant Bacteria. ACS Applied Materials & Interfaces, 2020, 12, 37834-37844.	4.0	8
27	Targeting Biological Polyanions in Blood: Strategies toward the Design of Therapeutics. Biomacromolecules, 2020, 21, 2595-2621.	2.6	7
28	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
29	Influence of Steric Shield on Biocompatibility and Antithrombotic Activity of Dendritic Polyphosphate Inhibitor. Molecular Pharmaceutics, 2022, 19, 1853-1865.	2.3	3
30	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
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