

Sungwook Choi

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

633
citations

840776

11
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

870
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure-based design of kinetic stabilizers that ameliorate the transthyretin amyloidoses. <i>Current Opinion in Structural Biology</i> , 2010, 20, 54-62.	5.7	160
2	Mechanisms of transthyretin cardiomyocyte toxicity inhibition by resveratrol analogs. <i>Biochemical and Biophysical Research Communications</i> , 2011, 410, 707-713.	2.1	85
3	Chemoselective small molecules that covalently modify one lysine in a non-enzyme protein in plasma. <i>Nature Chemical Biology</i> , 2010, 6, 133-139.	8.0	74
4	A Substructure Combination Strategy To Create Potent and Selective Transthyretin Kinetic Stabilizers That Prevent Amyloidogenesis and Cytotoxicity. <i>Journal of the American Chemical Society</i> , 2010, 132, 1359-1370.	13.7	67
5	FOXO1 and FOXO3 transcription factors have unique functions in meniscus development and homeostasis during aging and osteoarthritis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 3135-3143.	7.1	51
6	A Stilbene That Binds Selectively to Transthyretin in Cells and Remains Dark until It Undergoes a Chemoselective Reaction To Create a Bright Blue Fluorescent Conjugate. <i>Journal of the American Chemical Society</i> , 2010, 132, 16043-16051.	13.7	45
7	Bifunctional coumarin derivatives that inhibit transthyretin amyloidogenesis and serve as fluorescent transthyretin folding sensors. <i>Chemical Communications</i> , 2013, 49, 9188.	4.1	35
8	A competition assay to identify amyloidogenesis inhibitors by monitoring the fluorescence emitted by the covalent attachment of a stilbene derivative to transthyretin. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 1505-1514.	3.0	31
9	Hypervalent Iodine-Mediated Alkene Functionalization: Oxazoline and Thiazoline Synthesis via Inter- and Intramolecular Aminohydroxylation and Thioamination. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 779-783.	4.3	17
10	A highly sensitive fluorescent probe that quantifies transthyretin in human plasma as an early diagnostic tool of Alzheimer's disease. <i>Chemical Communications</i> , 2019, 55, 10424-10427.	4.1	15
11	Systemic optimization and structural evaluation of quinoline derivatives as transthyretin amyloidogenesis inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2016, 123, 777-787.	5.5	13
12	Fluorogenic small molecules requiring reaction with a specific protein to create a fluorescent conjugate for biological imaging—what we know and what we need to learn. <i>Biopolymers</i> , 2014, 101, 484-495.	2.4	8
13	Development and validation of a liquid chromatography-tandem mass spectrometry method for the assay of tafamidis in rat plasma: Application to a pharmacokinetic study in rats. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 137, 90-95.	2.8	8
14	Semi-quantitative models for identifying potent and selective transthyretin amyloidogenesis inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 3441-3449.	2.2	8
15	Synthesis and Verification of Fluorescent pH Probes Based on 2-Quinolone Platform. <i>Chemistry Letters</i> , 2018, 47, 433-435.	1.3	6
16	Synthesis and biological evaluation of quinolone derivatives as transthyretin amyloidogenesis inhibitors and fluorescence sensors. <i>Bioorganic and Medicinal Chemistry</i> , 2022, 53, 116550.	3.0	4
17	Efficient Synthesis of Unsymmetrical 1,3-Diynes Utilizing a Palladium-Catalyzed Cross-Coupling Reaction Without Homo-Coupling. <i>Bulletin of the Korean Chemical Society</i> , 2015, 36, 360-362.	1.9	1
18	Pharmacokinetics of tafamidis, a transthyretin amyloidosis drug, in rats. <i>Xenobiotica</i> , 2018, 48, 831-838.	1.1	1