Sungwook Choi

List of Publications by Year
in descending order

18 papers	633 citations	840585 11 h-index	794469 19 g-index
20 all docs	20 docs citations	20 times ranked	870 citing authors

#	Article	IF	Citations
1	Synthesis and biological evaluation of quinolone derivatives as transthyretin amyloidogenesis inhibitors and fluorescence sensors. Bioorganic and Medicinal Chemistry, 2022, 53, 116550.	1.4	4
2	FOXO1 and FOXO3 transcription factors have unique functions in meniscus development and homeostasis during aging and osteoarthritis. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 3135-3143.	3.3	51
3	A highly sensitive fluorescent probe that quantifies transthyretin in human plasma as an early diagnostic tool of Alzheimer's disease. Chemical Communications, 2019, 55, 10424-10427.	2.2	15
4	Synthesis and Verification of Fluorescent pH Probes Based on 2-Quinolone Platform. Chemistry Letters, 2018, 47, 433-435.	0.7	6
5	Hypervalent Iodineâ€Mediated Alkene Functionalization: Oxazoline and Thiazoline Synthesis via Interâ€Intramolecular Aminohydroxylation and Thioamination. Advanced Synthesis and Catalysis, 2018, 360, 779-783.	2.1	17
6	Pharmacokinetics of tafamidis, a transthyretin amyloidosis drug, in rats. Xenobiotica, 2018, 48, 831-838.	0.5	1
7	Development and validation of a liquid chromatographyâ€“tandem mass spectrometry method for the assay of tafamidis in rat plasma: Application to a pharmacokinetic study in rats. Journal of Pharmaceutical and Biomedical Analysis, 2017, 137, 90-95.	1.4	8
8	Semi-quantitative models for identifying potent and selective transthyretin amyloidogenesis inhibitors. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 3441-3449.	1.0	8
9	Systemic optimization and structural evaluation of quinoline derivatives as transthyretin amyloidogenesis inhibitors. European Journal of Medicinal Chemistry, 2016, 123, 777-787.	2.6	13
10	Efficient Synthesis of Unsymmetrical 1,3â€Diynes Utilizing a Palladiumâ€Catalyzed Crossâ€Coupling Reaction Without Homoâ€Coupling. Bulletin of the Korean Chemical Society, 2015, 36, 360-362.	1.0	1
11	Fluorogenic small molecules requiring reaction with a specific protein to create a fluorescent conjugate for biological imagingâ€“what we know and what we need to learn. Biopolymers, 2014, 101, 484-495.	1.2	8
12	Bifunctional coumarin derivatives that inhibit transthyretin amyloidogenesis and serve as fluorescent transthyretin folding sensors. Chemical Communications, 2013, 49, 9188.	2.2	35
13	Mechanisms of transthyretin cardiomyocyte toxicity inhibition by resveratrol analogs. Biochemical and Biophysical Research Communications, 2011, 410, 707-713.	1.0	85
14	A competition assay to identify amyloidogenesis inhibitors by monitoring the fluorescence emitted by the covalent attachment of a stilbene derivative to transthyretin. Bioorganic and Medicinal Chemistry, 2011, 19, 1505-1514.	1.4	31
15	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. Journal of the American Chemical Society, 2010, 132, 16043-16051.	6.6	45
16	Structure-based design of kinetic stabilizers that ameliorate the transthyretin amyloidoses. Current Opinion in Structural Biology, 2010, 20, 54-62.	2.6	160
17	Chemoselective small molecules that covalently modify one lysine in a non-enzyme protein in plasma. Nature Chemical Biology, 2010, 6, 133-139.	3.9	74
18	A Substructure Combination Strategy To Create Potent and Selective Transthyretin Kinetic Stabilizers That Prevent Amyloidogenesis and Cytotoxicity. Journal of the American Chemical Society, 2010, 132, 1359-1370.	6.6	67