

Kyle J Korshavn

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

985
citations

567281

15
h-index

794594

19
g-index

21
all docs

21
docs citations

21
times ranked

1651
citing authors

#	ARTICLE	IF	CITATIONS
1	Glyoxal in Aqueous Ammonium Sulfate Solutions: Products, Kinetics and Hydration Effects. <i>Environmental Science & Technology</i> , 2011, 45, 6336-6342.	10.0	209
2	Reduced Lipid Bilayer Thickness Regulates the Aggregation and Cytotoxicity of Amyloid- β . <i>Journal of Biological Chemistry</i> , 2017, 292, 4638-4650.	3.4	145
3	Cholesterol and metal ions in Alzheimer's disease. <i>Chemical Society Reviews</i> , 2014, 43, 6672-6682.	38.1	82
4	Multi-target-directed phenol- π -triazole ligands as therapeutic agents for Alzheimer's disease. <i>Chemical Science</i> , 2017, 8, 5636-5643.	7.4	79
5	Amyloid- β adopts a conserved, partially folded structure upon binding to zwitterionic lipid bilayers prior to amyloid formation. <i>Chemical Communications</i> , 2016, 52, 882-885.	4.1	66
6	A Redox-Active, Compact Molecule for Cross-Linking Amyloidogenic Peptides into Nontoxic, Off-Pathway Aggregates: In Vitro and In Vivo Efficacy and Molecular Mechanisms. <i>Journal of the American Chemical Society</i> , 2015, 137, 14785-14797.	13.7	65
7	Stabilization and structural analysis of a membrane-associated hAPP aggregation intermediate. <i>ELife</i> , 2017, 6, .	6.0	61
8	A small molecule that displays marked reactivity toward copper $^{2+}$ versus zinc $^{2+}$ amyloid- β implicated in Alzheimer's disease. <i>Chemical Communications</i> , 2014, 50, 5301-5303.	4.1	49
9	Reactivity of Metal-Free and Metal-Associated Amyloid- β with Glycosylated Polyphenols and Their Esterified Derivatives. <i>Scientific Reports</i> , 2015, 5, 17842.	3.3	44
10	An Iridium(III) Complex as a Photoactivatable Tool for Oxidation of Amyloidogenic Peptides with Subsequent Modulation of Peptide Aggregation. <i>Chemistry - A European Journal</i> , 2017, 23, 1645-1653.	3.3	33
11	Effects of hydroxyl group variations on a flavonoid backbone toward modulation of metal-free and metal-induced amyloid- β aggregation. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 381-392.	6.0	28
12	Multifunctional quinoline-triazole derivatives as potential modulators of amyloid- β peptide aggregation. <i>Journal of Inorganic Biochemistry</i> , 2016, 158, 131-138.	3.5	25
13	Structural and Mechanistic Insights into Development of Chemical Tools to Control Individual and Inter-Related Pathological Features in Alzheimer's Disease. <i>Chemistry - A European Journal</i> , 2017, 23, 2706-2715.	3.3	25
14	Importance of the Dimethylamino Functionality on a Multifunctional Framework for Regulating Metals, Amyloid- β , and Oxidative Stress in Alzheimer's Disease. <i>Inorganic Chemistry</i> , 2016, 55, 5000-5013.	4.0	19
15	Biophysical insights into the membrane interaction of the core amyloid-forming A β ₄₀ fragment K16-K28 and its role in the pathogenesis of Alzheimer's disease. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 16890-16901.	2.8	16
16	Precision Targeting of BFL-1/A1 and an ATM Co-dependency in Human Cancer. <i>Cell Reports</i> , 2018, 24, 3393-3403.e5.	6.4	15
17	Minor Structural Variations of Small Molecules Tune Regulatory Activities toward Pathological Factors in Alzheimer's Disease. <i>ChemMedChem</i> , 2017, 12, 1828-1838.	3.2	13
18	A redox switch regulates the structure and function of anti-apoptotic BFL-1. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 781-789.	8.2	4