

Wing Ying Chow

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7525256/publications.pdf>

Version: 2024-02-01

18
papers

446
citations

759233

12
h-index

888059

17
g-index

22
all docs

22
docs citations

22
times ranked

730
citing authors

#	ARTICLE	IF	CITATIONS
1	NMR Spectroscopy of Native and in Vitro Tissues Implicates PolyADP Ribose in Biomineralization. <i>Science</i> , 2014, 344, 742-746.	12.6	78
2	Poly(ADP-Ribose) Links the DNA Damage Response and Biomineralization. <i>Cell Reports</i> , 2019, 27, 3124-3138.e13.	6.4	58
3	Cobalt-Exchanged Poly(Heptazine Imides) as Transition Metal-Ni Electro-catalysts for the Oxygen Evolution Reaction. <i>Advanced Materials</i> , 2020, 32, e1903942.	21.0	56
4	Proline provides site-specific flexibility for in vivo collagen. <i>Scientific Reports</i> , 2018, 8, 13809.	3.3	40
5	Pigmentation Chemistry and Radical-Based Collagen Degradation in Alkaptonuria and Osteoarthritic Cartilage. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 11937-11942.	13.8	34
6	Fluorosurfactants for microdroplets: Interfacial tension analysis. <i>Journal of Colloid and Interface Science</i> , 2010, 350, 205-211.	9.4	33
7	Hydroxyproline Ring Pucker Causes Frustration of Helix Parameters in the Collagen Triple Helix. <i>Scientific Reports</i> , 2015, 5, 12556.	3.3	30
8	Biomolecular and Biological Applications of Solid-State NMR with Dynamic Nuclear Polarization Enhancement. <i>Chemical Reviews</i> , 2022, 122, 9795-9847.	47.7	29
9	Collagen atomic scale molecular disorder in ochronotic cartilage from an alkaptonuria patient, observed by solid state NMR. <i>Journal of Inherited Metabolic Disease</i> , 2011, 34, 1137-1140.	3.6	24
10	Preparation of highly and generally enriched mammalian tissues for solid state NMR. <i>Journal of Biomolecular NMR</i> , 2015, 63, 119-123.	2.8	16
11	Essential but sparse collagen hydroxylysyl post-translational modifications detected by DNP NMR. <i>Chemical Communications</i> , 2018, 54, 12570-12573.	4.1	13
12	Detection of nucleic acids and other low abundance components in native bone and osteosarcoma extracellular matrix by isotope enrichment and DNP-enhanced NMR. <i>RSC Advances</i> , 2019, 9, 26686-26690.	3.6	13
13	A new glycation product α -norpronyl-lysine, α ™ and direct characterization of cross linking and other glycation adducts: NMR of model compounds and collagen. <i>Bioscience Reports</i> , 2014, 34, .	2.4	8
14	Solid state NMR of isotope labelled murine fur: a powerful tool to study atomic level keratin structure and treatment effects. <i>Journal of Biomolecular NMR</i> , 2016, 66, 93-98.	2.8	7
15	Overcoming mass transfer limitations in cross-linked polyethyleneimine-based adsorbents to enable selective CO ₂ capture at ambient temperature. <i>Materials Advances</i> , 2022, 3, 3174-3191.	5.4	3
16	Investigation of Triple-Helix Collagen Hydroxylation by Solid-State NMR Spectroscopy. <i>Methods in Molecular Biology</i> , 2019, 1944, 57-77.	0.9	2
17	Pigmentierungschemie und radikalbasierter Kollagenabbau bei Alkaptonurie und Arthrose. <i>Angewandte Chemie</i> , 2020, 132, 12035-12040.	2.0	0
18	Innentitelbild: Pigmentierungschemie und radikalbasierter Kollagenabbau bei Alkaptonurie und Arthrose (<i>Angew. Chem.</i> 29/2020). <i>Angewandte Chemie</i> , 2020, 132, 11770-11770.	2.0	0