

Nina KÄ,lln Wittig

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6412468/publications.pdf>

Version: 2024-02-01

14
papers

279
citations

1040056

9
h-index

1199594

12
g-index

14
all docs

14
docs citations

14
times ranked

421
citing authors

#	ARTICLE	IF	CITATIONS
1	Mapping the 3D orientation of nanocrystals and nanostructures in human bone: Indications of novel structural features. <i>Science Advances</i> , 2020, 6, eaba4171.	10.3	51
2	Immobilization and long-term recovery results in large changes in bone structure and strength but no corresponding alterations of osteocyte lacunar properties. <i>Bone</i> , 2016, 91, 139-147.	2.9	38
3	Bone Biomineral Properties Vary across Human Osteonal Bone. <i>ACS Nano</i> , 2019, 13, 12949-12956.	14.6	35
4	Canalicular Junctions in the Osteocyte Lacuno-Canalicular Network of Cortical Bone. <i>ACS Nano</i> , 2019, 13, 6421-6430.	14.6	32
5	Genetic Ablation of Osteopontin in Osteomalacic <i>hyp</i> Mice Partially Rescues the Deficient Mineralization Without Correcting Hypophosphatemia. <i>Journal of Bone and Mineral Research</i> , 2020, 35, 2032-2048.	2.8	23
6	X-ray Linear Dichroism in Apatite. <i>Journal of the American Chemical Society</i> , 2018, 140, 11698-11704.	13.7	19
7	Nanobeam X-ray fluorescence and diffraction computed tomography on human bone with a resolution better than 120Ånm. <i>Journal of Structural Biology</i> , 2020, 212, 107631.	2.8	18
8	No Signature of Osteocytic Osteolysis in Cortical Bone from Lactating NMRI Mice. <i>Calcified Tissue International</i> , 2019, 105, 308-315.	3.1	15
9	Opportunities for biomineralization research using multiscale computed X-ray tomography as exemplified by bone imaging. <i>Journal of Structural Biology</i> , 2022, 214, 107822.	2.8	13
10	Organ and tissue level properties are more sensitive to age than osteocyte lacunar characteristics in rat cortical bone. <i>Bone Reports</i> , 2016, 4, 28-34.	0.4	10
11	Bone hierarchical structure: spatial variation across length scales. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2022, 78, 305-311.	1.1	9
12	Vase-like β -Polymorph Guanine Crystal Aggregates Formed at the Air-Water Interface. , 2020, 2, 446-452.		8
13	Precipitation of Inorganic Phases through a Photoinduced pH Jump: From Vaterite Spheroids and Shells to ZnO Flakes and Hexagonal Plates. <i>Crystal Growth and Design</i> , 2018, 18, 1951-1955.	3.0	7
14	The osteocyte lacuno-canalicular network in bone investigated by synchrotron radiation-based techniques. , 2019, , .		1