

# Atsushi Momose

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5560515/publications.pdf>

Version: 2024-02-01

16  
papers

1,090  
citations

1163117

8  
h-index

1199594

12  
g-index

16  
all docs

16  
docs citations

16  
times ranked

1233  
citing authors

#	ARTICLE	IF	CITATIONS
1	Phase-contrast X-ray computed tomography for observing biological soft tissues. <i>Nature Medicine</i> , 1996, 2, 473-475.	30.7	843
2	Osteocyte-directed bone demineralization along canaliculi. <i>Bone</i> , 2016, 84, 279-288.	2.9	78
3	Differential Phase X-ray Imaging Microscopy with X-ray Talbot Interferometer. <i>Applied Physics Express</i> , 0, 1, 117002.	2.4	50
4	Osteogenic capillaries orchestrate growth plate-independent ossification of the malleus. <i>Development (Cambridge)</i> , 2015, 142, 3912-20.	2.5	20
5	Recent Progress in X-ray and Neutron Phase Imaging with Gratings. <i>Quantum Beam Science</i> , 2020, 4, 9.	1.2	20
6	Development toward high-resolution X-ray phase imaging. <i>Journal of Electron Microscopy</i> , 2017, 66, 155-166.	0.9	18
7	Talbot-defocus multiscan tomography using the synchrotron X-ray microscope to study the lacuno-canalicular network in mouse bone. <i>Biomedical Optics Express</i> , 2013, 4, 917.	2.9	15
8	High aspect ratio grating by isochronal imprinting of less viscous workable Gd-based metallic glass for neutron phase imaging. <i>Intermetallics</i> , 2016, 78, 55-63.	3.9	12
9	Hypermineralization of Hearing-Related Bones by a Specific Osteoblast Subtype. <i>Journal of Bone and Mineral Research</i> , 2020, 36, 1535-1547.	2.8	9
10	X-ray phase imaging using a Gd-based absorption grating fabricated by imprinting technique. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 048003.	1.5	8
11	Development of x-ray phase tomographic microscope based on Talbot interferometer at BL37XU, SPring-8. <i>AIP Advances</i> , 2020, 10, .	1.3	8
12	Development of full-field x-ray phase-tomographic microscope based on laboratory x-ray source. , 2017, , .		5
13	Recent advance in grating-based x-ray phase tomography. , 2017, , .		2
14	Development of grating-based x-ray phase tomography under the ERATO project. <i>Proceedings of SPIE</i> , 2016, , .	0.8	1
15	Bilaterally Asymmetric Helical Myofibrils in Ascidian Tadpole Larvae. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 800455.	3.7	1
16	Demonstration of Neutron Phase Imaging Based on Talbot-Lau Interferometer at Compact Neutron Source RANS. <i>Quantum Beam Science</i> , 2022, 6, 22.	1.2	0