

Benedicta D Arhatari

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

541
citations

623734

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677142

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36
all docs

36
docs citations

36
times ranked

724
citing authors

#	ARTICLE	IF	CITATIONS
1	The investigation of inner structural damage of UV and heat degraded polymer composites using X-ray micro CT. <i>Composites Part A: Applied Science and Manufacturing</i> , 2011, 42, 408-418.	7.6	71
2	Endolymphatic hydrops is prevalent in the first weeks following cochlear implantation. <i>Hearing Research</i> , 2015, 327, 48-57.	2.0	38
3	Phase imaging using a polychromatic x-ray laboratory source. <i>Optics Express</i> , 2008, 16, 19950.	3.4	35
4	Seeing is believing: Insights from synchrotron infrared mapping for membrane fouling in osmotic membrane bioreactors. <i>Water Research</i> , 2018, 137, 355-361.	11.3	31
5	A rationale for the influence of grain size on failure of magnesium alloy AZ31: An in situ X-ray microtomography study. <i>Acta Materialia</i> , 2020, 200, 619-631.	7.9	31
6	Spontaneous retrotransposon insertion into <i>TNF-α</i> UTR causes heart valve disease and chronic polyarthritis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 9698-9703.	7.1	29
7	Recent progress on damage mechanisms in polymeric adhesively bonded high-performance composite joints under fatigue. <i>International Journal of Fatigue</i> , 2017, 95, 45-63.	5.7	25
8	X-ray Micro Computed Tomography investigation of accelerated thermal degradation of epoxy resin/glass microsphere syntactic foam. <i>Composites Part A: Applied Science and Manufacturing</i> , 2009, 40, 1217-1222.	7.6	24
9	Phase contrast radiography: Image modeling and optimization. <i>Review of Scientific Instruments</i> , 2004, 75, 5271-5276.	1.3	22
10	Producing hollow granules from hydrophobic powders in high-shear mixer granulators. <i>Advanced Powder Technology</i> , 2009, 20, 558-566.	4.1	22
11	CHD7 Deficiency in <i>Looper</i> , a New Mouse Model of CHARGE Syndrome, Results in Ossicle Malformation, Otosclerosis and Hearing Impairment. <i>PLoS ONE</i> , 2014, 9, e97559.	2.5	20
12	Mice lacking the conserved transcription factor Grainyhead-like 3 (<i>Grhl3</i>) display increased apposition of the frontal and parietal bones during embryonic development. <i>BMC Developmental Biology</i> , 2016, 16, 37.	2.1	17
13	Phase contrast radiography. II. Imaging of complex objects. <i>Review of Scientific Instruments</i> , 2005, 76, 113704.	1.3	15
14	Mice Haploinsufficient for <i>Ets1</i> and <i>Fli1</i> Display Middle Ear Abnormalities and Model Aspects of Jacobsen Syndrome. <i>American Journal of Pathology</i> , 2015, 185, 1867-1876.	3.8	15
15	Failure Evaluation of a SiC/SiC Ceramic Matrix Composite During <i>In-Situ</i> Loading Using Micro X-ray Computed Tomography. <i>Microscopy and Microanalysis</i> , 2019, 25, 583-591.	0.4	15
16	Propagation-Based Phase-Contrast CT of the Breast Demonstrates Higher Quality Than Conventional Absorption-Based CT Even at Lower Radiation Dose. <i>Academic Radiology</i> , 2021, 28, e20-e26.	2.5	15
17	Elemental Contrast X-ray Tomography Using Ross Filter Pairs with a Polychromatic Laboratory Source. <i>Scientific Reports</i> , 2017, 7, 218.	3.3	14
18	Soft-tissue differentiation and bone densitometry via energy-discriminating X-ray microCT. <i>Optics Express</i> , 2017, 25, 29328.	3.4	14

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19	Progress on interacting fatigue, creep & hysteretic heating in polymer adhesively bonded composite joints. <i>International Journal of Fatigue</i> , 2017, 98, 68-80.	5.7	13
20	Optimisation of phase imaging geometry. <i>Optics Express</i> , 2010, 18, 23727.	3.4	11
21	A coherence approach to phase-contrast microscopy: Theory. <i>Ultramicroscopy</i> , 2008, 108, 937-945.	1.9	9
22	X-ray Phase-Contrast Computed Tomography for Soft Tissue Imaging at the Imaging and Medical Beamline (IMBL) of the Australian Synchrotron. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4120.	2.5	9
23	Quantitative phase imaging with polychromatic x-ray sources. <i>Optics Express</i> , 2011, 19, 8127.	3.4	8
24	Multi-wavelength elemental contrast absorption imaging. <i>Optics Express</i> , 2011, 19, 25969.	3.4	7
25	An intronic mutation in Chd7 creates a cryptic splice site, causing aberrant splicing in a mouse model of CHARGE syndrome. <i>Scientific Reports</i> , 2018, 8, 5482.	3.3	7
26	Polychromatic X-ray tomography: direct quantitative phase reconstruction. <i>Optics Express</i> , 2012, 20, 23361.	3.4	6
27	A coherence approach to phase-contrast microscopy II: Experiment. <i>Ultramicroscopy</i> , 2009, 109, 280-286.	1.9	5
28	Local Structural Damage Evaluation of a C/C ^{SiC} Ceramic Matrix Composite. <i>Microscopy and Microanalysis</i> , 2017, 23, 518-526.	0.4	5
29	Materials Separation via the Matrix Method Employing Energy-Discriminating X-ray Detection. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3198.	2.5	4
30	Micro X-ray computed tomography of pits and fissures. <i>Journal of X-Ray Science and Technology</i> , 2014, 22, 407-414.	1.0	1
31	Two-dimensional quantitative imaging of multicomponent samples using polychromatic X-rays. <i>X-Ray Spectrometry</i> , 2019, 48, 85-93.	1.4	1
32	Lab-based x-ray tomography of a cochlear implant using energy discriminating detectors for metal artefact reduction. , 2018, , .		1
33	Energy optimisation of propagation-based phase-contrast computed tomography: a quantitative image quality assessment. , 2022, , .		1
34	Complete elimination of the beam hardening effect in quantitative absorption tomography using polychromatic x-rays with single-component specimens. <i>X-Ray Spectrometry</i> , 2020, 49, 642-650.	1.4	0
35	X-ray phase-contrast computed tomography for full breast mastectomy imaging at the Australian Synchrotron. , 2021, , .		0
36	Ross filter pairs for metal artefact reduction in x-ray tomography: a case study based on imaging and segmentation of metallic implants. , 2018, , .		0