

Benedicta D Arhatari

List of Publications by Year in descending order

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36
all docs

36
docs citations

36
times ranked

724
citing authors

#	ARTICLE	IF	CITATIONS
1	Materials Separation via the Matrix Method Employing Energy-Discriminating X-ray Detection. Applied Sciences (Switzerland), 2022, 12, 3198.	2.5	4
2	Energy optimisation of propagation-based phase-contrast computed tomography: a quantitative image quality assessment. , 2022, , .		1
3	Propagation-Based Phase-Contrast CT of the Breast Demonstrates Higher Quality Than Conventional Absorption-Based CT Even at Lower Radiation Dose. Academic Radiology, 2021, 28, e20-e26.	2.5	15
4	X-ray Phase-Contrast Computed Tomography for Soft Tissue Imaging at the Imaging and Medical Beamline (IMBL) of the Australian Synchrotron. Applied Sciences (Switzerland), 2021, 11, 4120.	2.5	9
5	X-ray phase-contrast computed tomography for full breast mastectomy imaging at the Australian Synchrotron. , 2021, , .		0
6	A rationale for the influence of grain size on failure of magnesium alloy AZ31: An in situ X-ray microtomography study. Acta Materialia, 2020, 200, 619-631.	7.9	31
7	Complete elimination of the beam hardening effect in quantitative absorption tomography using polychromatic x-rays with single-component specimens. X-Ray Spectrometry, 2020, 49, 642-650.	1.4	0
8	Failure Evaluation of a SiC/SiC Ceramic Matrix Composite During <i>In-Situ</i> Loading Using Micro X-ray Computed Tomography. Microscopy and Microanalysis, 2019, 25, 583-591.	0.4	15
9	Two-dimensional quantitative imaging of multicomponent samples using polychromatic X-rays. X-Ray Spectrometry, 2019, 48, 85-93.	1.4	1
10	An intronic mutation in Chd7 creates a cryptic splice site, causing aberrant splicing in a mouse model of CHARGE syndrome. Scientific Reports, 2018, 8, 5482.	3.3	7
11	Seeing is believing: Insights from synchrotron infrared mapping for membrane fouling in osmotic membrane bioreactors. Water Research, 2018, 137, 355-361.	11.3	31
12	Lab-based x-ray tomography of a cochlear implant using energy discriminating detectors for metal artefact reduction. , 2018, , .		1
13	Ross filter pairs for metal artefact reduction in x-ray tomography: a case study based on imaging and segmentation of metallic implants. , 2018, , .		0
14	Progress on interacting fatigue, creep & hysteretic heating in polymer adhesively bonded composite joints. International Journal of Fatigue, 2017, 98, 68-80.	5.7	13
15	Local Structural Damage Evaluation of a C/C-SiC Ceramic Matrix Composite. Microscopy and Microanalysis, 2017, 23, 518-526.	0.4	5
16	Elemental Contrast X-ray Tomography Using Ross Filter Pairs with a Polychromatic Laboratory Source. Scientific Reports, 2017, 7, 218.	3.3	14
17	Recent progress on damage mechanisms in polymeric adhesively bonded high-performance composite joints under fatigue. International Journal of Fatigue, 2017, 95, 45-63.	5.7	25
18	Soft-tissue differentiation and bone densitometry via energy-discriminating X-ray microCT. Optics Express, 2017, 25, 29328.	3.4	14

#	ARTICLE	IF	CITATIONS
19	Mice lacking the conserved transcription factor Grainyhead-like 3 (Grhl3) display increased apposition of the frontal and parietal bones during embryonic development. BMC Developmental Biology, 2016, 16, 37.	2.1	17
20	Mice Haploinsufficient for Ets1 and Fli1 Display Middle Ear Abnormalities and Model Aspects of Jacobsen Syndrome. American Journal of Pathology, 2015, 185, 1867-1876.	3.8	15
21	Endolymphatic hydrops is prevalent in the first weeks following cochlear implantation. Hearing Research, 2015, 327, 48-57.	2.0	38
22	Spontaneous retrotransposon insertion into <i>TNF-α</i> UTR causes heart valve disease and chronic polyarthritis. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 9698-9703.	7.1	29
23	CHD7 Deficiency in <i>Looper</i> , a New Mouse Model of CHARGE Syndrome, Results in Ossicle Malformation, Otosclerosis and Hearing Impairment. PLoS ONE, 2014, 9, e97559.	2.5	20
24	Micro X-ray computed tomography of pits and fissures. Journal of X-Ray Science and Technology, 2014, 22, 407-414.	1.0	1
25	Polychromatic X-ray tomography: direct quantitative phase reconstruction. Optics Express, 2012, 20, 23361.	3.4	6
26	The investigation of inner structural damage of UV and heat degraded polymer composites using X-ray micro CT. Composites Part A: Applied Science and Manufacturing, 2011, 42, 408-418.	7.6	71
27	Quantitative phase imaging with polychromatic x-ray sources. Optics Express, 2011, 19, 8127.	3.4	8
28	Multi-wavelength elemental contrast absorption imaging. Optics Express, 2011, 19, 25969.	3.4	7
29	Optimisation of phase imaging geometry. Optics Express, 2010, 18, 23727.	3.4	11
30	A coherence approach to phase-contrast microscopy II: Experiment. Ultramicroscopy, 2009, 109, 280-286.	1.9	5
31	Producing hollow granules from hydrophobic powders in high-shear mixer granulators. Advanced Powder Technology, 2009, 20, 558-566.	4.1	22
32	X-ray Micro Computed Tomography investigation of accelerated thermal degradation of epoxy resin/glass microsphere syntactic foam. Composites Part A: Applied Science and Manufacturing, 2009, 40, 1217-1222.	7.6	24
33	A coherence approach to phase-contrast microscopy: Theory. Ultramicroscopy, 2008, 108, 937-945.	1.9	9
34	Phase imaging using a polychromatic x-ray laboratory source. Optics Express, 2008, 16, 19950.	3.4	35
35	Phase contrast radiography. II. Imaging of complex objects. Review of Scientific Instruments, 2005, 76, 113704.	1.3	15
36	Phase contrast radiography: Image modeling and optimization. Review of Scientific Instruments, 2004, 75, 5271-5276.	1.3	22