

Lucia Mancini

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8337743/publications.pdf>

Version: 2024-02-01

136
papers

3,859
citations

94269

37
h-index

149479

56
g-index

147
all docs

147
docs citations

147
times ranked

4214
citing authors

#	ARTICLE	IF	CITATIONS
1	<i><i>PITRE</i></i> : software for phase-sensitive X-ray image processing and tomography reconstruction. <i>Journal of Synchrotron Radiation</i> , 2012, 19, 836-845.	1.0	203
2	An introduction to the application of X-ray microtomography to the three-dimensional study of igneous rocks. <i>Lithos</i> , 2012, 148, 262-276.	0.6	182
3	The origin of squamates revealed by a Middle Triassic lizard from the Italian Alps. <i>Nature</i> , 2018, 557, 706-709.	13.7	145
4	Pore3D: A software library for quantitative analysis of porous media. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2010, 615, 326-332.	0.7	124
5	High resolution microtomography-based CFD simulation of flow and heat transfer in aluminum metal foams. <i>Applied Thermal Engineering</i> , 2014, 69, 230-240.	3.0	118
6	Gas-driven filter pressing in magmas: Insights into in-situ melt segregation from crystal mushes. <i>Geology</i> , 2015, 43, 699-702.	2.0	88
7	Enhanced and Flexible Software Tools for X-ray Computed Tomography at the Italian Synchrotron Radiation Facility Elettra. <i>Fundamenta Informaticae</i> , 2015, 141, 233-243.	0.3	87
8	Monitoring of the heavy-metal hyperaccumulation in vegetal tissues by X-ray radiography and by femto-second laser induced breakdown spectroscopy. <i>Microscopy Research and Technique</i> , 2007, 70, 147-153.	1.2	84
9	Computed Micro-Tomographic Evaluation of Glide Path with Nickel-Titanium Rotary PathFile in Maxillary First Molars Curved Canals. <i>Journal of Endodontics</i> , 2012, 38, 389-393.	1.4	82
10	A four-dimensional X-ray tomographic microscopy study of bubble growth in basaltic foam. <i>Nature Communications</i> , 2012, 3, 1135.	5.8	78
11	Three-dimensional investigation of volcanic textures by X-ray microtomography and implications for conduit processes. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	76
12	Dynamic intensity normalization using eigen flat fields in X-ray imaging. <i>Optics Express</i> , 2015, 23, 27975.	1.7	74
13	Investigation of structural defects and inhomogeneities in Al-Pd-Mn icosahedral quasicrystals by combined synchrotron X-ray topography and phase radiography. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , 1998, 78, 1175-1194.	0.8	71
14	Vesiculation in magmas from Stromboli and implications for normal Strombolian activity and paroxysmal explosions in basaltic systems. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	69
15	Beeswax as Dental Filling on a Neolithic Human Tooth. <i>PLoS ONE</i> , 2012, 7, e44904.	1.1	69
16	Large vesicles record pathways of degassing at basaltic volcanoes. <i>Bulletin of Volcanology</i> , 2008, 70, 1023-1029.	1.1	65
17	Texture analysis of volcanic rock samples: Quantitative study of crystals and vesicles shape preferred orientation from X-ray microtomography data. <i>Journal of Volcanology and Geothermal Research</i> , 2011, 202, 83-95.	0.8	62
18	The effects of rock heterogeneity on compaction localization in porous carbonates. <i>Journal of Structural Geology</i> , 2014, 67, 75-93.	1.0	62

#	ARTICLE	IF	CITATIONS
19	Three-dimensional Quantitative Analysis of Bread Crumb by X-ray Microtomography. <i>Journal of Food Science</i> , 2005, 70, E265-E272.	1.5	59
20	The late Early Pleistocene human dental remains from Uadi Aalad and Mulhuli-Amo (Buia), Eritrean Danakil: Macromorphology and microstructure. <i>Journal of Human Evolution</i> , 2014, 74, 96-113.	1.3	59
21	Phase imaging using highly coherent X-rays: radiography, tomography, diffraction topography. <i>Journal of Synchrotron Radiation</i> , 2000, 7, 196-201.	1.0	58
22	Phason elastic constants of the icosahedral Al-Pd-Mn phase derived from diffuse scattering measurements. <i>Philosophical Magazine Letters</i> , 2001, 81, 273-283.	0.5	58
23	TomoBank: a tomographic data repository for computational x-ray science. <i>Measurement Science and Technology</i> , 2018, 29, 034004.	1.4	55
24	A Novel Approach to the Study of Bread Porous Structure: Phase-contrast X-Ray Microtomography. <i>Journal of Food Science</i> , 2004, 69, FEP38-FEP43.	1.5	52
25	Micro-Computed Tomography Evaluation of ProTaper Next and BioRace Shaping Outcomes in Maxillary First Molar Curved Canals. <i>Journal of Endodontics</i> , 2015, 41, 1706-1710.	1.4	51
26	Micro-Biomechanics of the Kebara 2 Hyoid and Its Implications for Speech in Neanderthals. <i>PLoS ONE</i> , 2013, 8, e82261.	1.1	50
27	Floating stones off El Hierro, Canary Islands: xenoliths of pre-island sedimentary origin in the early products of the October 2011 eruption. <i>Solid Earth</i> , 2012, 3, 97-110.	1.2	49
28	Micro-CT evaluation of several glide path techniques and ProTaper Next shaping outcomes in maxillary first molar curved canals. <i>International Endodontic Journal</i> , 2017, 50, 387-397.	2.3	49
29	Hierarchical porosity in real quasicrystals. <i>Philosophical Magazine Letters</i> , 1998, 78, 159-167.	0.5	48
30	High resolution X-ray microtomography-based CFD simulation for the characterization of flow permeability and effective thermal conductivity of aluminum metal foams. <i>Experimental Thermal and Fluid Science</i> , 2015, 67, 30-36.	1.5	47
31	The contribution of synchrotron X-ray computed microtomography to understanding volcanic processes. <i>Journal of Synchrotron Radiation</i> , 2010, 17, 215-221.	1.0	44
32	DID NEANDERTHALS PLAY MUSIC? X-RAY COMPUTED MICRO-TOMOGRAPHY OF THE DIVJE BABE "FLUTE" Archaeometry, 2012, 54, 581-590.	0.6	41
33	Focusing X-rays with simple arrays of prism-like structures. <i>Journal of Synchrotron Radiation</i> , 2004, 11, 248-253.	1.0	39
34	Imaging Techniques for the Study of Food Microstructure: A Review. <i>Advances in Food and Nutrition Research</i> , 2006, 51, 205-263.	1.5	39
35	A detailed study of gold-nanoparticle loaded cells using X-ray based techniques for cell-tracking applications with single-cell sensitivity. <i>Nanoscale</i> , 2013, 5, 3337.	2.8	39
36	Near-liquidus growth of feldspar spherulites in trachytic melts: 3D morphologies and implications in crystallization mechanisms. <i>Lithos</i> , 2015, 216-217, 93-105.	0.6	39

#	ARTICLE	IF	CITATIONS
37	3D Pore-network quantitative analysis in deformed carbonate grainstones. <i>Marine and Petroleum Geology</i> , 2017, 82, 251-264.	1.5	39
38	Brief communication: Two human fossil deciduous molars from the sangiran dome (Java, Indonesia): Outer and inner morphology. <i>American Journal of Physical Anthropology</i> , 2012, 147, 472-481.	2.1	37
39	New Features of Dislocation Images in Third-Generation Synchrotron Radiation Topographs. <i>Journal of Synchrotron Radiation</i> , 1996, 3, 173-184.	1.0	36
40	Fluid flow simulation and permeability computation in deformed porous carbonate grainstones. <i>Advances in Water Resources</i> , 2018, 115, 95-111.	1.7	35
41	The Middle Pleistocene (MIS 12) human dental remains from Fontana Ranuccio (Latium) and Visogliano (Friuli-Venezia Giulia), Italy. A comparative high resolution endostructural assessment. <i>PLoS ONE</i> , 2018, 13, e0189773.	1.1	35
42	Dynamic observations of vesiculation reveal the role of silicate crystals in bubble nucleation and growth in andesitic magmas. <i>Lithos</i> , 2018, 296-299, 532-546.	0.6	34
43	Inner tooth morphology of <i>Homo erectus</i> from Zhoukoudian. New evidence from an old collection housed at Uppsala University, Sweden. <i>Journal of Human Evolution</i> , 2018, 116, 1-13.	1.3	32
44	Degassing behaviour of vesiculated basaltic magmas: an example from Ambrym volcano, Vanuatu Arc. <i>Journal of Volcanology and Geothermal Research</i> , 2012, 233-234, 55-64.	0.8	31
45	Solidification and Turbulence (Non-laminar) during Magma Ascent: Insights from 2D and 3D Analyses of Bubbles and Minerals in an Etnean Dyke. <i>Journal of Petrology</i> , 2017, 58, 1511-1533.	1.1	31
46	Plagioclase nucleation and growth kinetics in a hydrous basaltic melt by decompression experiments. <i>Contributions To Mineralogy and Petrology</i> , 2015, 170, 1.	1.2	29
47	Using synchrotron X-ray microtomography to characterize the pore network of reservoir rocks: A case study on carbonates. <i>Advances in Water Resources</i> , 2016, 95, 254-263.	1.7	29
48	<title>X-ray optics and imaging with hard coherent synchrotron radiation</title>., 1997, , .		27
49	Evaluation of Microstructural Properties of Coffee Beans by Synchrotron X-ray Microtomography: A Methodological Approach. <i>Journal of Food Science</i> , 2011, 76, E222-31.	1.5	26
50	Investigation of the microstructure and mineralogical composition of urinary calculi fragments by synchrotron radiation X-ray microtomography: a feasibility study. <i>Urological Research</i> , 2011, 39, 259-267.	1.5	26
51	Controlled release of a highly hydrophilic API from lipid microspheres obtained by prilling: Analysis of drug and water diffusion processes with X-ray-based methods. <i>Journal of Controlled Release</i> , 2012, 158, 393-402.	4.8	26
52	The Grizzly Lake complex (Yellowstone Volcano, USA): Mixing between basalt and rhyolite unraveled by microanalysis and X-ray microtomography. <i>Lithos</i> , 2016, 260, 457-474.	0.6	26
53	Coherent X-ray diffraction and phason fluctuations in quasicrystals. <i>Europhysics Letters</i> , 2001, 54, 753-759.	0.7	25
54	Virtual histological assessment of the prenatal life history and age at death of the Upper Paleolithic fetus from Ostuni (Italy). <i>Scientific Reports</i> , 2017, 7, 9427.	1.6	25

#	ARTICLE	IF	CITATIONS
55	Investigation of the osteitis deformans phases in snake vertebrae by double-pulse laser-induced breakdown spectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 1095-1107.	1.9	22
56	The 3D quantitative lattice and shape preferred orientation of a mylonitised metagranite from Monte Rosa (Western Alps): Combining neutron diffraction texture analysis and synchrotron X-ray microtomography. <i>Journal of Structural Geology</i> , 2014, 63, 91-105.	1.0	21
57	Synchrotron X-ray computed microtomography investigation of a mortar affected by alkali-silica reaction: a quantitative characterization of its microstructural features. <i>Journal of Materials Science</i> , 2011, 46, 6633-6641.	1.7	20
58	A novel protocol for resolving feldspar crystals in synchrotron X-ray microtomographic images of crystallized natural magmas and synthetic analogs. <i>American Mineralogist</i> , 2016, 101, 2301-2311.	0.9	20
59	A 3D imaging textural characterization of pyroclastic products from the 1538 AD Monte Nuovo eruption (Campi Flegrei, Italy). <i>Lithos</i> , 2019, 340-341, 316-331.	0.6	20
60	Mineral inclusions are not immutable: Evidence of post-entrapment thermally-induced shape change of quartz in garnet. <i>Earth and Planetary Science Letters</i> , 2021, 555, 116708.	1.8	20
61	Phonon- and phason-type spherical inclusions in icosahedral quasicrystals. <i>Journal of Physics Condensed Matter</i> , 2003, 15, L363-L370.	0.7	19
62	An investigation of mortars affected by alkali-silica reaction by X-ray synchrotron microtomography: a preliminary study. <i>Journal of Materials Science</i> , 2009, 44, 5815-5823.	1.7	19
63	First 3D imaging characterization of Pele's hair from Kilauea volcano (Hawaii). <i>Scientific Reports</i> , 2019, 9, 1711.	1.6	18
64	Volatile segregation and generation of highly vesiculated explosive magmas by volatile-melt fining processes: The case of the Campanian Ignimbrite eruption. <i>Chemical Geology</i> , 2019, 503, 1-14.	1.4	18
65	Production and detachment of oxide crystal shells on bubble walls during experimental vesiculation of andesitic magmas. <i>Contributions To Mineralogy and Petrology</i> , 2019, 174, 1.	1.2	17
66	Morphological Evolution of Zn-Sponge Electrodes Monitored by In Situ X-ray Computed Microtomography. <i>ACS Applied Energy Materials</i> , 2020, 3, 4931-4940.	2.5	17
67	Structural microanalysis with synchrotron radiation: archaeometric applications at Elettra. <i>Journal of Neutron Research</i> , 2006, 14, 75-79.	0.4	16
68	Permeability measurements of Campi Flegrei pyroclastic products: An example from the Campanian Ignimbrite and Monte Nuovo eruptions. <i>Journal of Volcanology and Geothermal Research</i> , 2014, 272, 16-22.	0.8	16
69	Analysis of Intracellular Magnesium and Mineral Depositions during Osteogenic Commitment of 3D Cultured Saos2 Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2368.	1.8	16
70	A combined synchrotron radiation micro computed tomography and micro X-ray diffraction study on deleterious alkali-silica reaction. <i>Journal of Materials Science</i> , 2015, 50, 7985-7997.	1.7	15
71	Synthetic calcium carbonate improves the effectiveness of treatments with nanolime to contrast decay in highly porous limestone. <i>Scientific Reports</i> , 2019, 9, 15278.	1.6	15
72	Integrating X-Ray Computed Tomography With Chemical Imaging to Quantify Mineral Re-crystallization From Granulite to Eclogite Metamorphism in the Western Italian Alps (Sesia-Lanzo Zone). <i>Frontiers in Earth Science</i> , 2019, 7, .	0.8	15

#	ARTICLE	IF	CITATIONS
73	Implementation of Dynamic Neutron Radiography and Integrated X-Ray and Neutron Tomography in Porous Carbonate Reservoir Rocks. <i>Frontiers in Earth Science</i> , 2019, 7, .	0.8	15
74	3D microstructure of magnesium potassium phosphate ceramics from X-ray tomography: new insights into the reaction mechanisms. <i>Journal of Materials Science</i> , 2019, 54, 3748-3760.	1.7	15
75	Pore-scale dual-porosity and dual-permeability modeling in an exposed multi-facies porous carbonate reservoir. <i>Marine and Petroleum Geology</i> , 2021, 128, 105004.	1.5	15
76	Bone diagenesis in archaeological and contemporary human remains: an investigation of bone 3D microstructure and mineral-chemical assessment. <i>Archaeological and Anthropological Sciences</i> , 2020, 12, 1.	0.7	14
77	Influence of aggregate mineralogy on alkali-silica reaction studied by X-ray powder diffraction and imaging techniques. <i>Journal of Materials Science</i> , 2012, 47, 2845-2855.	1.7	13
78	Microstructural characterization of dental zinc phosphate cements using combined small angle neutron scattering and microfocus X-ray computed tomography. <i>Dental Materials</i> , 2017, 33, 402-417.	1.6	13
79	Exploring Hominin and Non-hominin Primate Dental Fossil Remains with Neutron Microtomography. <i>Physics Procedia</i> , 2017, 88, 109-115.	1.2	13
80	Green, grey and black: A comparative study of Sierra de las Navajas (Mexico) and Lipari (Italy) obsidians. <i>Quaternary International</i> , 2018, 467, 369-390.	0.7	13
81	Microstructural evolution and texture analysis of magnesium phosphate cement. <i>Journal of the American Ceramic Society</i> , 2020, 103, 1414-1424.	1.9	12
82	Three-dimensional analysis of the canal network of an Indonesian Stylaster (Cnidaria, Hydrozoa,). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3</i>	0.4	11
83	Electrochemical reconstruction of a heavily corroded Tarentum hemiobolus silver coin: a study based on microfocus X-ray computed microtomography. <i>Journal of Archaeological Science</i> , 2014, 52, 24-30.	1.2	11
84	Quantitative 3D microstructural analysis of naturally deformed amphibolite from the Southern Alps (Italy): microstructures, CPO and seismic anisotropy from a fossil extensional margin. <i>Geological Society Special Publication</i> , 2015, 409, 201-222.	0.8	11
85	Deep sea explosive eruptions may be not so different from subaerial eruptions. <i>Scientific Reports</i> , 2020, 10, 6709.	1.6	11
86	An infant burial from Arma Veirana in northwestern Italy provides insights into funerary practices and female personhood in early Mesolithic Europe. <i>Scientific Reports</i> , 2021, 11, 23735.	1.6	11
87	Detecting microdiamonds in kimberlite drill-hole cores by computed tomography. <i>International Journal of Mineral Processing</i> , 2005, 75, 173-188.	2.6	10
88	An Innovative CCD-Based High-Resolution CT System for Analysis of Trabecular Bone Tissue. <i>IEEE Transactions on Nuclear Science</i> , 2006, 53, 2584-2590.	1.2	10
89	Three-dimensional distribution of primary melt inclusions in garnets by X-ray microtomography. <i>American Mineralogist</i> , 2018, 103, 911-926.	0.9	10
90	In Situ and Ex Situ X-Ray Microspectroelectrochemical Methods for the Study of Zinc-Air Batteries. , 2018, , 174-194.		8

#	ARTICLE	IF	CITATIONS
91	Halloysite nanotubes/pluronic nanocomposites for waterlogged archeological wood: thermal stability and X-ray microtomography. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 141, 981-989.	2.0	8
92	Growth of Neanderthal infants from Krapina (120â€“130 ka), Croatia. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20212079.	1.2	8
93	Heterogeneous vesiculation of 2011 El Hierro xeno-pumice revealed by X-ray computed microtomography. <i>Bulletin of Volcanology</i> , 2016, 78, 1.	1.1	7
94	A quantitative analysis of 3D-cell distribution in regenerative muscle-skeletal system with synchrotron X-ray computed microtomography. <i>Scientific Reports</i> , 2018, 8, 14145.	1.6	7
95	The Skaros effusive sequence at Santorini (Greece): Petrological and geochemical constraints on an interplinian cycle. <i>Lithos</i> , 2020, 362-363, 105504.	0.6	7
96	Investigation of nano-microstructural changes in Maastricht limestone after treatment with nanolime suspension. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	7
97	Diagenesis of juvenile skeletal remains: A multimodal and multiscale approach to examine the post-mortem decay of children's bones. <i>Journal of Archaeological Science</i> , 2021, 135, 105477.	1.2	7
98	Dental cementum virtual histology of Neanderthal teeth from Krapina (Croatia, 130â€“120 kyr): an informed estimate of age, sex and adult stressors. <i>Journal of the Royal Society Interface</i> , 2022, 19, 20210820.	1.5	7
99	Microtomography-based CFD Analysis of Transport in Open-Cell Aluminum Metal Foams. <i>Journal of Physics: Conference Series</i> , 2014, 501, 012021.	0.3	6
100	Studying model suspensions using high resolution synchrotron X-ray microtomography. <i>Chemical Engineering Research and Design</i> , 2017, 117, 756-772.	2.7	6
101	About a method for compressing x-ray computed microtomography data. <i>Measurement Science and Technology</i> , 2018, 29, 044002.	1.4	6
102	A compact and flexible induction furnace for <i>in situ</i> X-ray microradiography and computed microtomography at Elettra: design, characterization and first tests. <i>Journal of Synchrotron Radiation</i> , 2018, 25, 1172-1181.	1.0	6
103	The importance of pore throats in controlling the permeability of magmatic foams. <i>Bulletin of Volcanology</i> , 2019, 81, 1.	1.1	6
104	3D X-rayÂtomographic analysis reveals how coesite is preserved in Muong Nong-type tektites. <i>Scientific Reports</i> , 2020, 10, 20608.	1.6	6
105	3D-localisation of cochlear implant electrode contacts in relation to anatomical structures from <i>in vivo</i> cone-beam computed tomography. <i>Hearing Research</i> , 2022, 426, 108537.	0.9	6
106	PyPore3D: An Open Source Software Tool for Imaging Data Processing and Analysis of Porous and Multiphase Media. <i>Journal of Imaging</i> , 2022, 8, 187.	1.7	6
107	Extended investigation of porosity in quasicrystals by synchrotron X-ray phase contrast radiographyâ€”I: In icosahedral AlPdMn grains. <i>Journal of Crystal Growth</i> , 2005, 281, 623-638.	0.7	5
108	Enhanced contrast in X-ray microtomographic images of the membranous labyrinth using different X-ray sources and scanning modes. <i>Journal of Anatomy</i> , 2018, 233, 770-782.	0.9	5

#	ARTICLE	IF	CITATIONS
109	Quantitative evaluation of bone-mineral density loss using X-ray coherent scattering. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 579, 318-321.	0.7	4
110	Garnets from Val d'Aosta Rodongites, Piedmont, Italy: An Investigation of Their Gemological, Spectroscopic and Crystal Chemical Properties. Minerals (Basel, Switzerland), 2019, 9, 728.	0.8	4
111	Insight into the Cycling Behaviour of Metal Anodes, Enabled by X-ray Tomography and Mathematical Modelling. ChemElectroChem, 2022, 9, .	1.7	4
112	Tracing the mobility of a Late Epigravettian (~13kya) male infant from Grotte di Pradis (Northeastern Italy). PLOS ONE, 2022, 17, e0248000.	1.6	4
113	Micro-ATR FTIR, SEM-EDS, and X-ray Micro-CT: An Innovative Multitechnique Approach to Investigate Bone Affected by Peri-implantitis. International Journal of Oral and Maxillofacial Implants, 2019, 34, 631-641.	0.6	3
114	X-ray computed microtomography of Megachirella wachtleri. Scientific Data, 2018, 5, 180244.	2.4	3
115	Advanced x-ray tomography: experiment, modeling, and algorithms. Measurement Science and Technology, 2018, 29, 080101.	1.4	2
116	Editorial: Recent Advancements in X-Ray and Neutron Imaging of Dynamic Processes in Earth Sciences. Frontiers in Earth Science, 2020, 8, .	0.8	2
117	Analysis of a SiCf/SiC sample under in situ loading by synchrotron x-ray radiation. AIP Conference Proceedings, 2021, , .	0.3	2
118	Synchrotron radiation X-ray microtomography for the visualization of intra-cochlear anatomy in human temporal bones implanted with a perimodiolar cochlear implant electrode array. Journal of Synchrotron Radiation, 2021, 28, 327-332.	1.0	2
119	Living in darkness: Exploring adaptation of <i>Proteus anguinus</i> in 3 dimensions by X-ray imaging. GigaScience, 2022, 11, .	3.3	2
120	New evaluation of the Castel di Guido 'hyoid'. Journal of Anthropological Sciences, 2016, 94, 231-5.	0.4	2
121	Reflection on multilayer mirrors: beam profile and coherence properties. Proceedings of SPIE, 2014, , .	0.8	1
122	Modeling the failure of magmatic foams with application to Stromboli volcano, Italy. Earth and Planetary Science Letters, 2014, 403, 246-253.	1.8	1
123	Effect of the Nano-Ca(OH) ₂ Addition on the Portland Clinker Cooking Efficiency. Materials, 2019, 12, 1787.	1.3	1
124	Virtual histology of archaeological human deciduous prenatal enamel through synchrotron X-ray computed microtomography images. Journal of Synchrotron Radiation, 2022, 29, 247-253.	1.0	1
125	CO ₂ storage in the Antarctica Sub-Continental Lithospheric Mantle as revealed by intra- and inter-granular fluids. Lithos, 2022, 416-417, 106643.	0.6	1
126	Focusing hard x-rays with large kinoform lenses of mm size. , 2004, , .		0

#	ARTICLE	IF	CITATIONS
127	CLESSIDRA: Focusing Hard X-Rays Efficiently with Arrays Composed of Small Prisms. AIP Conference Proceedings, 2007, , .	0.3	0
128	Detection of lead in <i>Zea mays</i> by dual-energy X-ray microtomography at the SYRMEP beamline of the ELETTRA synchrotron and by atomic absorption spectroscopy. Microscopy Research and Technique, 2010, 73, 638-649.	1.2	0
129	Three-dimensional distribution of primary melt inclusions in garnets by X-ray microtomography. American Mineralogist, 2018, 103, 911-926.	0.9	0
130	The Use of Synchrotron-Based X-ray Microtomography for the Pore Network Quantitative and Computational Fluid Dynamics Experiments on Porous Carbonate Rocks. Springer Proceedings in Physics, 2021, , 203-217.	0.1	0
131	Directional differences in head stabilisation in <i>Acanthodactylus pardalis</i> lizards. Journal of Biomechanics, 2021, 121, 110418.	0.9	0
132	3D MODELLING AND FLUID FLOW SIMULATION WITHIN DEFORMATION BANDS IN CARBONATE GRAINSTONES. , 2016, , .		0
133	CO2 storage in the northern Victoria Land (Antarctica) SCLM: clues from fluid inclusions, mineral chemistry and X-ray microtomography. , 2021, , .		0
134	Some examples of X-ray micro-computed tomography applied to mantle petrology.. , 2021, , .		0
135	Deep Sea Explosive Eruptions may be not so Different from Subaerial Eruptions. , 2020, , .		0
136	Thermally-Induced Shape Maturation of Quartz in Garnet. , 2020, , .		0