

Michele Nacucchi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2345333/publications.pdf>

Version: 2024-02-01

30
papers

452
citations

623734

14
h-index

713466

21
g-index

30
all docs

30
docs citations

30
times ranked

558
citing authors

#	ARTICLE	IF	CITATIONS
1	Inspection of Carbon Fibre Reinforced Polymers: 3D identification and quantification of components by X-ray CT. Applied Composite Materials, 2022, 29, 497-513.	2.5	6
2	Correlation between elastic properties and morphology in short fiber composites by X-ray computed micro-tomography. Composites Part A: Applied Science and Manufacturing, 2021, 140, 106169.	7.6	22
3	An image-based approach for structure investigation and 3D numerical modelling of polymeric foams. Journal of Polymer Research, 2021, 28, 1.	2.4	5
4	Micro-computed tomography evaluation of general trends in aligner thickness and gap width after thermoforming procedures involving six commercial clear aligners: An <i>in vitro</i> study. Korean Journal of Orthodontics, 2021, 51, 135-141.	2.3	16
5	MicroCT X-ray comparison of aligner gap and thickness of six brands of aligners: an in-vitro study. Progress in Orthodontics, 2020, 21, 12.	3.5	26
6	High resolution X-ray computed tomography: A versatile non-destructive tool to characterize CFRP-based aircraft composite elements. Composites Science and Technology, 2020, 192, 108093.	7.8	35
7	Water absorption in rubber-cement composites: 3D structure investigation by X-ray computed-tomography. Construction and Building Materials, 2019, 228, 116602.	7.2	19
8	Volume orientation: a practical solution to analyse the orientation of fibres in composite materials. Journal of Microscopy, 2019, 276, 27-38.	1.8	4
9	Stereological analysis of short basalt fiber composites. AIP Conference Proceedings, 2019, , .	0.4	0
10	Compression of polystyrene and polypropylene foams for energy absorption applications: A combined mechanical and microstructural study. Journal of Cellular Plastics, 2019, 55, 49-72.	2.4	40
11	Relationship between the anisotropy tensor calculated through global and object measurements in high-resolution X-ray tomography on cellular and composite materials. Journal of Microscopy, 2019, 273, 65-80.	1.8	12
12	New approach in Auger elemental relative sensitive factor calculation by using TEM-EDS analysis based on bi-layers of pure elements. Ultramicroscopy, 2018, 193, 143-150.	1.9	0
13	Active Polymer Nanocomposites: Application in Thermoplastic Polymers and in Polymer Foams. IEEE Nanotechnology Magazine, 2016, 15, 896-903.	2.0	10
14	Scanning Small- and Wide-Angle X-ray Scattering Microscopy Selectively Probes HA Content in Gelatin/Hydroxyapatite Scaffolds for Osteochondral Defect Repair. ACS Applied Materials & Interfaces, 2016, 8, 8728-8736.	8.0	18
15	Quantitative characterisation of low-density, high performance polymeric foams using high resolution X-ray computed tomography and laser confocal microscopy. NDT and E International, 2016, 83, 123-133.	3.7	10
16	Effect of cobalt and silver nanoparticles and ions on Lumbricus rubellus health and on microbial community of earthworm faeces and soil. Applied Soil Ecology, 2016, 108, 62-71.	4.3	22
17	On the degradation mechanisms of Mg hydride pellets for hydrogen storage in tanks. International Journal of Hydrogen Energy, 2016, 41, 9834-9840.	7.1	24
18	Structural analysis of advanced polymeric foams by means of high resolution X-ray computed tomography. AIP Conference Proceedings, 2016, , .	0.4	13

#	ARTICLE	IF	CITATIONS
19	Experimental check of the use of unconventional reference materials for EDS analysis in a TEM by extrapolation method based on pure elements. IOP Conference Series: Materials Science and Engineering, 2012, 32, 012017.	0.6	2
20	Quantitative EDS analysis in transmission electron microscopy using unconventional reference materials. IOP Conference Series: Materials Science and Engineering, 2010, 7, 012020.	0.6	5
21	The Determination of the Efficiency of Energy Dispersive X-Ray Spectrometers by a New Reference Material. Microscopy and Microanalysis, 2006, 12, 406-415.	0.4	46
22	Chemical composition of In _x Ga _{1-x} As epilayers grown simultaneously on differently oriented GaAs substrates. Journal of Crystal Growth, 2001, 223, 494-502.	1.5	1
23	Structure refinement of Ba-based infinite-layer superlattices. Physical Review B, 1999, 59, 14074-14079.	3.2	9
24	Uniformly dispersed Pr ⁺³ doped silica glass by the sol-gel process. Journal of Non-Crystalline Solids, 1996, 201, 153-158.	3.1	31
25	Comparison of spatial resolutions obtained with different signal components in scanning electron microscopy. Ultramicroscopy, 1996, 65, 23-30.	1.9	18
26	On the resolution of semiconductor multilayers with a scanning electron microscope. Ultramicroscopy, 1995, 60, 229-239.	1.9	25
27	Resolution of Semiconductor Multilayers using Backscattered Electrons in Scanning Electron Microscopy. Microscopy Microanalysis Microstructures, 1995, 6, 499-504.	0.4	3
28	Theoretical simulation of backscattered electron images of Si/Si _x Ge _{1-x} structures with a scanning electron microscope. Mikrochimica Acta, 1994, 114-115, 261-266.	5.0	4
29	Observation of Semiconductor Superstructures With Backscattered Electrons in a Scanning Electron Microscope. Materials Research Society Symposia Proceedings, 1994, 354, 443.	0.1	0
30	Resolution of superlattice structures with backscattered electrons in a scanning electron microscope. Ultramicroscopy, 1993, 50, 83-93.	1.9	26