

Stephan G Le Roux

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,100
citations

687363

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713466

21
g-index

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all docs

23
docs citations

23
times ranked

1302
citing authors

#	ARTICLE	IF	CITATIONS
1	X-Ray Computed Tomography Inspection in Metal Additive Manufacturing: The Role of Witness Specimens. , 2020, , 139-156.		5
2	Advancing X-ray micro computed tomography in Africa: Going far, together. Scientific African, 2019, 3, e00061.	1.5	10
3	A micro X-ray computed tomography dataset of fossil echinoderms in an ancient obrution bed: a robust method for taphonomic and palaeoecologic analyses. GigaScience, 2019, 8, .	6.4	8
4	Analyzing nature's protective design: The glyptodont body armor. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 82, 218-223.	3.1	40
5	Snake fangs: 3D morphological and mechanical analysis by microCT, simulation, and physical compression testing. GigaScience, 2018, 7, 1-8.	6.4	24
6	Application of microCT scanning in the recovery of endo-skarn associated scheelite from the Riviera Deposit, South Africa. Minerals Engineering, 2018, 116, 163-178.	4.3	5
7	X-Ray Microcomputed Tomography in Additive Manufacturing: A Review of the Current Technology and Applications. 3D Printing and Additive Manufacturing, 2018, 5, 227-247.	2.9	317
8	Microcomputer tomography (microCT) as a tool in Pinus tree breeding: pilot studies. New Zealand Journal of Forestry Science, 2017, 47, .	0.8	3
9	Prediction of mechanical performance of Ti6Al4V cast alloy based on microCT-based load simulation. Journal of Alloys and Compounds, 2017, 724, 267-274.	5.5	44
10	Further human fossils from the Middle Stone Age deposits of Die Kelders Cave 1, Western Cape Province, South Africa. Journal of Human Evolution, 2017, 109, 70-78.	2.6	9
11	Beauty is more than skin deep: a nonâ€invasive protocol for <i>inÂvivo</i> anatomical study using microâ€CT. Methods in Ecology and Evolution, 2017, 8, 358-369.	5.2	13
12	Laboratory x-ray micro-computed tomography: a user guideline for biological samples. GigaScience, 2017, 6, 1-11.	6.4	164
13	Directionality of Cavities and Porosity Formation in Powder-Bed Laser Additive Manufacturing of Metal Components Investigated Using X-Ray Tomography. 3D Printing and Additive Manufacturing, 2016, 3, 48-55.	2.9	31
14	Quality Investigation of 3D Printer Filament Using Laboratory X-Ray Tomography. 3D Printing and Additive Manufacturing, 2016, 3, 262-267.	2.9	13
15	Comparison of medical and industrial X-ray computed tomography for non-destructive testing. Case Studies in Nondestructive Testing and Evaluation, 2016, 6, 17-25.	1.7	76
16	The CT Scanner Facility at Stellenbosch University: An open access X-ray computed tomography laboratory. Nuclear Instruments & Methods in Physics Research B, 2016, 384, 42-49.	1.4	113
17	Quality Control of a Laser Additive Manufactured Medical Implant by X-Ray Tomography. 3D Printing and Additive Manufacturing, 2016, 3, 175-182.	2.9	30
18	Simple and fast porosity analysis of concrete using X-ray computed tomography. Materials and Structures/Materiaux Et Constructions, 2016, 49, 553-562.	3.1	106

#	ARTICLE	IF	CITATIONS
19	X-Ray Computed Tomography of Consumer-Grade 3D-Printed Parts. 3D Printing and Additive Manufacturing, 2015, 2, 190-195.	2.9	8
20	The quantitative analysis of tungsten ore using X-ray microCT: Case study. Computers and Geosciences, 2015, 85, 75-80.	4.2	17
21	Application of microCT to the non-destructive testing of an additive manufactured titanium component. Case Studies in Nondestructive Testing and Evaluation, 2015, 4, 1-7.	1.7	58
22	The role of evaporation on the formation of secondary Cu-hydroxy minerals in the arid Namaqualand soil system of South Africa. Applied Geochemistry, 2014, 47, 52-60.	3.0	5
23	3D X-Ray Inspection of a Radio Controlled Airplane Engine. Materials Science Forum, 0, 828-829, 433-438.	0.3	1