

# Naomi Tsafnat

## List of Publications by Year in descending order

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18  
papers

372  
citations

840776

11  
h-index

888059

17  
g-index

18  
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18  
docs citations

18  
times ranked

513  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modelling heating of liver tumours with heterogeneous magnetic microsphere deposition. <i>Physics in Medicine and Biology</i> , 2005, 50, 2937-2953.	3.0	89
2	Micro-finite element modelling of coke blends using X-ray microtomography. <i>Fuel</i> , 2008, 87, 2983-2987.	6.4	32
3	Analysis of coke under compressive loading: A combined approach using micro-computed tomography, finite element analysis, and empirical models of porous structures. <i>Fuel</i> , 2011, 90, 384-388.	6.4	32
4	Experimental characterisation of sub-cooling in hydrated salt phase change materials. <i>Applied Thermal Engineering</i> , 2016, 93, 935-938.	6.0	32
5	The visualization of hepatic vasculature by X-ray micro-computed tomography. <i>Journal of Electron Microscopy</i> , 2006, 55, 151-155.	0.9	27
6	Metallurgical coke: An investigation into compression properties and microstructure using X-ray microtomography. <i>Scripta Materialia</i> , 2009, 60, 92-95.	5.2	24
7	Micromechanics of Sea Urchin Spines. <i>PLoS ONE</i> , 2012, 7, e44140.	2.5	23
8	An experimentally validated micromechanical model of a rat vertebra under compressive loading. <i>Journal of Anatomy</i> , 2011, 218, 40-46.	1.5	22
9	Pedicle screw-based posterior dynamic stabilizers for degenerative spine: <i>In vitro</i> biomechanical testing and clinical outcomes. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 3324-3340.	4.0	21
10	Automated mineralogy using finite element analysis and X-ray microtomography. <i>Minerals Engineering</i> , 2009, 22, 149-155.	4.3	17
11	Solute Diffusion Characteristics of a Rapid Hardening Al-Cu-Mg Alloy during the Early Stages of Age Hardening. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2010, 41, 1887-1890.	2.2	14
12	Biomining and methanogenesis for resource extraction from asteroids. <i>Space Policy</i> , 2015, 34, 18-22.	1.5	10
13	The Role of Sacral Slope in the Progression of a Bilateral Spondylolytic Defect at L5 to Spondylolisthesis: A Biomechanical Investigation Using Finite Element Analysis. <i>Global Spine Journal</i> , 2018, 8, 460-470.	2.3	9
14	Global and segmental kinematic changes following sequential resection of posterior osteoligamentous structures in the lumbar spine: An <i>in vitro</i> biomechanical investigation using pure moment testing protocols. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2015, 229, 812-821.	1.8	8
15	Computational Aerodynamic Analysis of a Micro-CT Based Bio-Realistic Fruit Fly Wing. <i>PLoS ONE</i> , 2015, 10, e0124824.	2.5	7
16	Mild (not severe) disc degeneration is implicated in the progression of bilateral L5 spondylolysis to spondylolisthesis. <i>BMC Musculoskeletal Disorders</i> , 2018, 19, 98.	1.9	3
17	Low-Earth orbit satellite constellation for ADS-B based in-flight aircraft tracking. <i>Advances in Aircraft and Spacecraft Science</i> , 2015, 2, 95-108.	0.5	2
18	Modeling Dental Implants With Finite Element Analysis and Micro-Computed Tomography. , 2009, , .		0