

# Amir Avishai

## List of Publications by Year in descending order

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28  
papers

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citations

840776

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713466

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g-index

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docs citations

28  
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	FIB Overview. , 2019, , 335-350.		1
2	Promoting Undergraduate Student Experiential Learning, using Advanced Microscopy and Spectroscopy Instrumentation on Common Materials. Microscopy and Microanalysis, 2018, 24, 2352-2353.	0.4	0
3	Methods for Conducting Electron Backscattered Diffraction (EBSD) on Polycrystalline Organic Molecular Thin Films. Microscopy and Microanalysis, 2018, 24, 420-423.	0.4	6
4	Local Measurement of Janus Particle Cap Thickness. ACS Applied Materials & Interfaces, 2018, 10, 30925-30929.	8.0	18
5	Use of an Underlayer for Large Area Crystallization of Rubrene Thin Films. Chemistry of Materials, 2017, 29, 6666-6673.	6.7	34
6	Microanalysis of Geologic Materials Exposed to Surface Conditions on the Planet Venus. Microscopy and Microanalysis, 2017, 23, 2188-2189.	0.4	0
7	What is the Effective Geometrical Collection Efficiency of Your XEDS Detector? A Routine Procedure Applied in a SEM Laboratory.. Microscopy and Microanalysis, 2016, 22, 412-413.	0.4	0
8	Orientation Mapping by Precession Transmission Electron Microscopy. Microscopy and Microanalysis, 2015, 21, 1661-1662.	0.4	1
9	Tackling Characterization Challenges in High Deformation/Stress Steel Alloys Using Transmission Kikuchi Diffraction (TKD). Microscopy and Microanalysis, 2015, 21, 2377-2378.	0.4	2
10	Transmission Kikuchi Diffraction study of texture and orientation development in nanostructured hard turning layers. CIRP Annals - Manufacturing Technology, 2015, 64, 73-76.	3.6	11
11	Transmission Electron Diffraction Investigation of White Etching Areas in Bearing Steels: A Comparison Between TKD and TEM. Microscopy and Microanalysis, 2014, 20, 1476-1477.	0.4	2
12	Serial sectioning for examination of photoreceptor cell architecture by focused ion beam technology. Journal of Neuroscience Methods, 2011, 198, 70-76.	2.5	13
13	Chemical bath deposition of CdS highly-textured, columnar films. Thin Solid Films, 2011, 519, 6388-6393.	1.8	3
14	Myelination and Axonal Electrical Activity Modulate the Distribution and Motility of Mitochondria at CNS Nodes of Ranvier. Journal of Neuroscience, 2011, 31, 7249-7258.	3.6	158
15	Three-Dimensional Characterization of Dental Bonded Interface Degradation Using Serial Ion-Ablation Scanning Electron Microscopy. Microscopy and Microanalysis, 2011, 17, 1016-1017.	0.4	1
16	Three-Dimensional Analysis of Optic Nerve Axons Using a Focused Ion Beam-Based Approach. Microscopy Today, 2010, 18, 18-22.	0.3	5
17	Focused Ion Beam-based Three Dimensional Analysis of Optic Nerve Axons. Microscopy and Microanalysis, 2009, 15, 346-347.	0.4	1
18	Characterization of Dental Bonded Interface Degradation Using Focused Ion Beam and High-Resolution Transmission Electron Microscopy. Microscopy and Microanalysis, 2009, 15, 368-369.	0.4	2

#	ARTICLE	IF	CITATIONS
19	FIB and HRTEM Characterization of Surface Oxides on Polysilicon MEMS after Cyclic Loading. Microscopy and Microanalysis, 2008, 14, 1010-1011.	0.4	0
20	Enhanced fatigue resistance in 316L austenitic stainless steel due to low-temperature paraequilibrium carburization. Acta Materialia, 2007, 55, 5572-5580.	7.9	75
21	Solubility Limit of MgO in Al <sub>2</sub> O <sub>3</sub> at 1600oC. Journal of the American Ceramic Society, 2006, 89, 350-353.	3.8	38
22	Lunar periodicity of planula release in the reef-building coral Stylophora pistillata. Marine Ecology - Progress Series, 2006, 311, 93-102.	1.9	41
23	Intergranular films at metal-ceramic interfacesPart II - calculation of Hamaker coefficients. Acta Materialia, 2005, 53, 1571-1581.	7.9	28
24	Intergranular films at metal-ceramic interfacesPart I - interface structure and chemistry. Acta Materialia, 2005, 53, 1559-1569.	7.9	60
25	Intergranular films in metal-ceramic composites and the promotion of metal particle occlusion. International Journal of Materials Research, 2004, 95, 266-270.	0.8	17
26	Equilibrium Amorphous Films at Metal-Ceramic Interfaces. Microscopy and Microanalysis, 2004, 10, 274-275.	0.4	0
27	Amorphous Films at Metal/Ceramic Interfaces. International Journal of Materials Research, 2003, 94, 272-276.	0.8	22
28	Focused Ion-Beam (FIB) Nanomachining of Silicon Carbide (SiC) Stencil Masks for Nanoscale Patterning. Materials Science Forum, 0, 717-720, 889-892.	0.3	2