

# Dor Amram

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

597  
citations

623734

14  
h-index

713466

21  
g-index

21  
all docs

21  
docs citations

21  
times ranked

648  
citing authors

#	ARTICLE	IF	CITATIONS
1	Combinatorial study of thermal stability in ternary nanocrystalline alloys. <i>Acta Materialia</i> , 2020, 188, 40-48.	7.9	45
2	Mechanical alloying produces grain boundary segregation in Fe-Mg powders. <i>Scripta Materialia</i> , 2020, 180, 57-61.	5.2	20
3	Stability of ternary nanocrystalline alloys in the Pt-Pd-Au system. <i>Materialia</i> , 2019, 8, 100449.	2.7	14
4	Interplay between thermodynamic and kinetic stabilization mechanisms in nanocrystalline Fe-Mg alloys. <i>Acta Materialia</i> , 2018, 144, 447-458.	7.9	55
5	Higher Temperatures Yield Smaller Grains in a Thermally Stable Phase-Transforming Nanocrystalline Alloy. <i>Physical Review Letters</i> , 2018, 121, 145503.	7.8	16
6	Solute interaction effects on grain boundary segregation in ternary alloys. <i>Acta Materialia</i> , 2018, 161, 285-294.	7.9	59
7	Phase Transformations in Au-Fe Particles and Thin Films: Size Effects at the Micro- and Nano-scales. <i>Jom</i> , 2016, 68, 1335-1342.	1.9	10
8	Reduction of nanowire diameter beyond lithography limits by controlled catalyst dewetting. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 165309.	2.8	3
9	Coherency strain reduction in particles on a substrate as a driving force for solute segregation. <i>Scripta Materialia</i> , 2016, 122, 89-92.	5.2	4
10	Encapsulation by segregation – A multifaceted approach to gold segregation in iron particles on sapphire. <i>Acta Materialia</i> , 2016, 102, 342-351.	7.9	13
11	Phenomenological Transition of an Aluminum Surface in an Ionic Liquid and Its Beneficial Implementation in Batteries. <i>Langmuir</i> , 2015, 31, 13860-13866.	3.5	21
12	Capillary-driven growth of metallic nanowires. <i>Scripta Materialia</i> , 2015, 109, 44-47.	5.2	15
13	The $\epsilon \rightarrow \delta$ transformation in Fe and Fe-Au thin films, micro- and nanoparticles – an in situ study. <i>Acta Materialia</i> , 2015, 98, 343-354.	7.9	16
14	The kinetics of hollowing of Ag-Au core-shell nanowhiskers controlled by short-circuit diffusion. <i>Acta Materialia</i> , 2015, 82, 145-154.	7.9	6
15	Solid state dewetting and stress relaxation in a thin single crystalline Ni film on sapphire. <i>Acta Materialia</i> , 2014, 74, 30-38.	7.9	38
16	Grain boundary grooving in thin films revisited: The role of interface diffusion. <i>Acta Materialia</i> , 2014, 69, 386-396.	7.9	75
17	Core(Fe)-Shell(Au) Nanoparticles Obtained from Thin Fe/Au Bilayers Employing Surface Segregation. <i>ACS Nano</i> , 2014, 8, 10687-10693.	14.6	45
18	On the role of Fe in the growth of single crystalline heteroepitaxial Au thin films on sapphire. <i>Acta Materialia</i> , 2013, 61, 4113-4126.	7.9	27

#	ARTICLE	IF	CITATIONS
19	Phase transformations in Au(Fe) nano- and microparticles obtained by solid state dewetting of thin Au-Fe bilayer films. Acta Materialia, 2013, 61, 5130-5143.	7.9	30
20	Anisotropic hole growth during solid-state dewetting of single-crystal Au-Fe thin films. Acta Materialia, 2012, 60, 3047-3056.	7.9	66
21	Kinetics of a retracting solid film edge: The case of high surface anisotropy. Scripta Materialia, 2011, 64, 962-965.	5.2	19