

# Raj Koju

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2298121/publications.pdf>

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11  
papers

364  
citations

1040056

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1281871

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12  
docs citations

12  
times ranked

275  
citing authors

#	ARTICLE	IF	CITATIONS
1	Atomistic study of grain-boundary segregation and grain-boundary diffusion in Al-Mg alloys. Acta Materialia, 2020, 201, 596-603.	7.9	77
2	Microstructural evolution in a nanocrystalline Cu-Ta alloy: A combined in-situ TEM and atomistic study. Materials and Design, 2017, 113, 178-185.	7.0	68
3	Zener Pinning of Grain Boundaries and Structural Stability of Immiscible Alloys. Jom, 2016, 68, 1596-1604.	1.9	45
4	Atomistic modeling of capillary-driven grain boundary motion in Cu-Ta alloys. Acta Materialia, 2018, 148, 311-319.	7.9	44
5	Nanotechnology enabled design of a structural material with extreme strength as well as thermal and electrical properties. Materials Today, 2019, 31, 10-20.	14.2	31
6	Direct atomistic modeling of solute drag by moving grain boundaries. Acta Materialia, 2020, 198, 111-120.	7.9	29
7	An experimental and modeling investigation of tensile creep resistance of a stable nanocrystalline alloy. Acta Materialia, 2020, 199, 141-154.	7.9	25
8	The impact of alloying on defect-free nanoparticles exhibiting softer but tougher behavior. Nature Communications, 2021, 12, 2515.	12.8	16
9	Stress-driven grain refinement in a microstructurally stable nanocrystalline binary alloy. Scripta Materialia, 2021, 191, 185-190.	5.2	12
10	Relationship between grain boundary segregation and grain boundary diffusion in Cu-Ag alloys. Physical Review Materials, 2020, 4, .	2.4	9
11	The Role of Grain Boundary Diffusion in the Solute Drag Effect. Nanomaterials, 2021, 11, 2348.	4.1	8