

# Aslihan Sumer

## List of Publications by Year in descending order

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Version: 2024-02-01

17  
papers

333  
citations

1307594

7  
h-index

1125743

13  
g-index

17  
all docs

17  
docs citations

17  
times ranked

629  
citing authors

#	ARTICLE	IF	CITATIONS
1	Capping Ligands as Selectivity Switchers in Hydrogenation Reactions. Nano Letters, 2012, 12, 5382-5388.	9.1	146
2	Aqueous Phase Glycerol Reforming by PtMo Bimetallic Nano-Particle Catalyst: Product Selectivity and Structural Characterization. Topics in Catalysis, 2012, 55, 53-69.	2.8	62
3	Aqueous Phase Glycerol Reforming with Pt and PtMo Bimetallic Nanoparticle Catalysts: The Role of the Mo Promoter. Topics in Catalysis, 2013, 56, 1814-1828.	2.8	32
4	Adsorption properties of CO on low-index Pt <sub>3</sub> Sn surfaces. Surface Science, 2006, 600, 4909-4921.	1.9	19
5	CO and O coadsorption on Pt <sub>3</sub> Sn studied by DFT: Changes in the adsorptive properties of the surface with alloying and coverage. Surface Science, 2008, 602, 1636-1642.	1.9	18
6	A First Principles Investigation of Corrosion Chemistry of Common Elemental Impurities in Mg-Al Alloys. Corrosion, 2017, 73, 596-604.	1.1	16
7	Morphology Tailoring of Pt Nanocatalysts for the Oxygen Reduction Reaction: The Paradigm of Pt <sub>13</sub> . ChemNanoMat, 2015, 1, 482-488.	2.8	10
8	A theoretical investigation on Pt <sub>3</sub> Sn(102) surface alloy and CO@Pt <sub>3</sub> Sn(102) system. Surface Science, 2006, 600, 2026-2039.	1.9	8
9	Adsorption-Induced Surface Electronic Reconstruction of Pt and Pt~Sn Alloys during CO Adsorption. Journal of Physical Chemistry C, 2009, 113, 14329-14334.	3.1	7
10	Molybdenum Oxide Clusters: Structure, Stability, and Electronic Properties. Journal of Physical Chemistry A, 2021, 125, 5201-5211.	2.5	6
11	Effect of Platinum Incorporation on the Energetics and Oxygen Chemisorption Properties of the Ni(1~1) Surface. ChemCatChem, 2012, 4, 2005-2012.	3.7	4
12	Computational studies of structural, energetic, and electronic properties of pure Pt and Mo and mixed Pt/Mo clusters: Comparative analysis of characteristics and trends. Journal of Chemical Physics, 2022, 157, .	3.0	3
13	Opening gates to oxygen reduction reactions on Cu(111) surface. Journal of Chemical Physics, 2015, 142, 124703.	3.0	2
14	A simultaneous 2D/3D autostereo workstation. Proceedings of SPIE, 2012, , .	0.8	0
15	Nanoscale Electrochemical Processes On Cu(111) Surface Using Periodic DFT and Quantum/Classical Simulations. ECS Transactions, 2014, 58, 1-7.	0.5	0
16	Effects of composition on catalytic activities of molybdenum doped platinum nanoparticles. Turkish Journal of Chemistry, 2020, 44, 1016-1030.	1.2	0
17	Investigation of Localized Corrosion and the Role of Transport in Lightweight Alloys Using Microkinetic Models With First-Principles Link. ECS Meeting Abstracts, 2013, , .	0.0	0