

Adrien Chauvin

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

365
citations

933447

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h-index

839539

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18
all docs

18
docs citations

18
times ranked

619
citing authors

#	ARTICLE	IF	CITATIONS
1	Unusual Dealloying Effect in Gold/Copper Alloy Thin Films: The Role of Defects and Column Boundaries in the Formation of Nanoporous Gold. ACS Applied Materials & Interfaces, 2015, 7, 2310-2321.	8.0	70
2	Galvanic Replacement Reaction: A Route to Highly Ordered Bimetallic Nanotubes. Journal of Physical Chemistry C, 2016, 120, 17652-17659.	3.1	52
3	Planar Arrays of Nanoporous Gold Nanowires: When Electrochemical Dealloying Meets Nanopatterning. ACS Applied Materials & Interfaces, 2016, 8, 6611-6620.	8.0	49
4	Creating nanoporosity in silver nanocolumns by direct exposure to radio-frequency air plasma. Nanoscale, 2016, 8, 141-148.	5.6	34
5	The Kirkendall Effect in Binary Alloys: Trapping Gold in Copper Oxide Nanoshells. Chemistry of Materials, 2015, 27, 6374-6384.	6.7	21
6	Sputtering onto liquids: a critical review. Beilstein Journal of Nanotechnology, 2022, 13, 10-53.	2.8	21
7	Large-Scale Fabrication of Porous Gold Nanowires via Laser Interference Lithography and Dealloying of Gold-Silver Nano-Alloys. Micromachines, 2017, 8, 168.	2.9	18
8	Vapor dealloying of ultra-thin films: a promising concept for the fabrication of highly flexible transparent conductive metal nanomesh electrodes. Npj Flexible Electronics, 2019, 3, .	10.7	16
9	Lamellar nanoporous gold thin films with tunable porosity for ultrasensitive SERS detection in liquid and gas phase. Nanoscale, 2020, 12, 12602-12612.	5.6	14
10	Impact of the morphology and composition on the dealloying process of co-sputtered silver-aluminum alloy thin films. Physica Status Solidi (B): Basic Research, 2016, 253, 2167-2174.	1.5	11
11	Co-sputtering of gold and copper onto liquids: a route towards the production of porous gold nanoparticles. Nanotechnology, 2020, 31, 455303.	2.6	11
12	Effect of the substrate temperature during gold-copper alloys thin film deposition by magnetron co-sputtering on the dealloying process. Surface and Coatings Technology, 2020, 383, 125220.	4.8	10
13	Magnetron sputter deposition of silver onto castor oil: The effect of plasma parameters on nanoparticle properties. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 615, 126286.	4.7	10
14	Dealloying of gold-copper alloy nanowires: From hillocks to ring-shaped nanopores. Beilstein Journal of Nanotechnology, 2016, 7, 1361-1367.	2.8	7
15	Tailoring the chemistry and the nano-architecture of organic thin films using cold plasma processes. Plasma Processes and Polymers, 2017, 14, 1700042.	3.0	6
16	Study of the Coarsening of Nanoporous Gold Nanowires by In Situ Scanning Transmission Electron Microscopy During Annealing. Physica Status Solidi - Rapid Research Letters, 2019, 13, 1900376.	2.4	6
17	Polarization-dependent ultrafast plasmon relaxation dynamics in nanoporous gold thin films and nanowires. Journal Physics D: Applied Physics, 2019, 52, 225103.	2.8	5
18	Insights into the growth of nanoparticles in liquid polyol by thermal annealing. Nanoscale Advances, 2021, 3, 4780-4789.	4.6	4