

Adrien Chauvin

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

365
citations

933447

10
h-index

839539

18
g-index

18
all docs

18
docs citations

18
times ranked

619
citing authors

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