

Mohamed Asbahi

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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papers

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ext. papers

387
ext. citations

6.1
avg, IF

2.93
L-index

#	Paper	IF	Citations
25	Second-Harmonic Generation from Sub-5 nm Gaps by Directed Self-Assembly of Nanoparticles onto Template-Stripped Gold Substrates. <i>Nano Letters</i> , 2015 , 15, 5976-81	11.5	61
24	Large Area Directed Self-Assembly of Sub-10 nm Particles with Single Particle Positioning Resolution. <i>Nano Letters</i> , 2015 , 15, 6066-70	11.5	31
23	Directed self-assembly of densely packed gold nanoparticles. <i>Langmuir</i> , 2012 , 28, 16782-7	4	28
22	Template-induced structure transition in sub-10 nm self-assembling nanoparticles. <i>Nano Letters</i> , 2014 , 14, 2642-6	11.5	24
21	Direct Patterning of Zinc Sulfide on a Sub-10 Nanometer Scale via Electron Beam Lithography. <i>ACS Nano</i> , 2017 , 11, 9920-9929	16.7	20
20	Room temperature Coulomb blockade effects in Au nanocluster/pentacene single electron transistors. <i>Nanotechnology</i> , 2015 , 26, 355204	3.4	19
19	High aspect ratio 10-nm-scale nanoaperture arrays with template-guided metal dewetting. <i>Scientific Reports</i> , 2015 , 5, 9654	4.9	18
18	Nanostructure Formation by controlled dewetting on patterned substrates: A combined theoretical, modeling and experimental study. <i>Scientific Reports</i> , 2016 , 6, 32398	4.9	17
17	Directed Self-Assembly of sub-10 nm Particles: Role of Driving Forces and Template Geometry in Packing and Ordering. <i>Langmuir</i> , 2015 , 31, 8548-57	4	16
16	Thermoelectric Properties of Substoichiometric Electron Beam Patterned Bismuth Sulfide. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 33647-33655	9.5	13
15	Multiphoton Upconversion Enhanced by Deep Subwavelength Near-Field Confinement. <i>Nano Letters</i> , 2021 , 21, 3044-3051	11.5	12
14	Directed self-assembly of sub-10 nm particle clusters using topographical templates. <i>Nanotechnology</i> , 2016 , 27, 424001	3.4	11
13	Room-Temperature Patterning of Nanoscale MoS under an Electron Beam. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 16772-16781	9.5	9
12	A method for metallic stamp replication using nanoimprinting and electroforming techniques. <i>Microelectronic Engineering</i> , 2012 , 91, 112-120	2.5	9
11	Recording performances in perpendicular magnetic patterned media. <i>Journal Physics D: Applied Physics</i> , 2010 , 43, 385003	3	8
10	A facile approach for screening isolated nanomagnetic behavior for bit-patterned media. <i>Nanotechnology</i> , 2014 , 25, 225203	3.4	6
9	Determination of Position Jitter and Dot-Size Fluctuations in Patterned Arrays Fabricated by the Directed Self-Assembly of Gold Nanoparticles. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 51-55	2	5

8	Effect of inter-bit material on the performance of directly deposited bit patterned media. <i>Applied Physics Letters</i> , 2012 , 101, 152403	3-4	5
7	Channel Characterization and Performance Evaluation of Bit-Patterned Media. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 723-729	2	3
6	A study on dynamic heat assisted magnetization reversal mechanisms under insufficient reversal field conditions. <i>Applied Physics Letters</i> , 2014 , 105, 162402	3-4	3
5	Second order directed positioning of nanoparticles induced by the main terminal meniscus shape in irregular template cavities. <i>Nanoscale</i> , 2017 , 9, 9886-9892	7-7	2
4	Non-destructive patterning of 10 nm magnetic island array by phase transformation with low-energy proton irradiation. <i>Applied Physics Letters</i> , 2017 , 111, 152401	3-4	2
3	Ultrasmall Designed Plasmon Resonators by Fused Colloidal Nanopatterning. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 45207-45213	9-5	1
2	High volume manufacturing of nanoimprint lithography produced devices: addressing the stamp supply challenge 2010 ,		1
1	Optimization of Bit-Patterned Media Recording (BPMR) System via Tolerance Design. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 3624-3627	2	