

Jonathan P Singer

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.

36
papers

1,649
citations

18
h-index

40
g-index

65
ext. papers

1,826
ext. citations

7.1
avg, IF

4.6
L-index

#	Paper	IF	Citations
36	Micro-/nanostructured mechanical metamaterials. <i>Advanced Materials</i> , 2012 , 24, 4782-810	24	344
35	Titanium carbide derived nanoporous carbon for energy-related applications. <i>Carbon</i> , 2006 , 44, 2489-2497.	17.4	321
34	25th anniversary article: ordered polymer structures for the engineering of photons and phonons. <i>Advanced Materials</i> , 2014 , 26, 532-69	24	182
33	Reversible solid-state mechanochromic fluorescence from a boron lipid dye. <i>Journal of Materials Chemistry</i> , 2011 , 21, 8295		115
32	High strain rate deformation of layered nanocomposites. <i>Nature Communications</i> , 2012 , 3, 1164	17.4	114
31	Enhanced methane storage of chemically and physically activated carbide-derived carbon. <i>Journal of Power Sources</i> , 2009 , 191, 560-567	8.9	100
30	Carbide-derived carbons: a comparative study of porosity based on small-angle scattering and adsorption isotherms. <i>Langmuir</i> , 2006 , 22, 8945-50	4	72
29	Direct-write thermocapillary dewetting of polymer thin films by a laser-induced thermal gradient. <i>Advanced Materials</i> , 2013 , 25, 6100-5	24	42
28	Alignment and reordering of a block copolymer by solvent-enhanced thermal laser direct write. <i>Polymer</i> , 2014 , 55, 1875-1882	3.9	39
27	Determination of critical cooling rates in metallic glass forming alloy libraries through laser spike annealing. <i>Scientific Reports</i> , 2017 , 7, 7155	4.9	29
26	Molybdenum carbide-derived carbon for hydrogen storage. <i>Microporous and Mesoporous Materials</i> , 2009 , 120, 267-271	5.3	29
25	Thermocapillary approaches to the deliberate patterning of polymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2017 , 55, 1649-1668	2.6	24
24	Shear-accelerated crystallization in a supercooled atomic liquid. <i>Physical Review E</i> , 2015 , 91, 020301	2.4	23
23	Determination of the Phase Behavior of (LiNH ₂) ₂ (LiBH ₄) ₁ Quaternary Hydrides through in Situ X-ray Diffraction. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 18927-18934	3.8	23
22	Focused laser-induced marangoni dewetting for patterning polymer thin films. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016 , 54, 225-236	2.6	23
21	Morphology Development in Thin Films of a Lamellar Block Copolymer Deposited by Electrospray. <i>Macromolecules</i> , 2014 , 47, 5703-5710	5.5	21
20	Atomic imprinting into metallic glasses. <i>Communications Physics</i> , 2018 , 1,	5.4	19

19	Focused laser spike (FLaSk) annealing of photoactivated chemically amplified resists for rapid hierarchical patterning. <i>Nanoscale</i> , 2011 , 3, 2730-8	7.7	18
18	Self-Limiting Electro Spray Deposition for the Surface Modification of Additively Manufactured Parts. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 20901-20911	9.5	14
17	Obtaining Thickness-Limited Electro Spray Deposition for 3D Coating. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 11175-11188	9.5	14
16	Multiscale patterning of a metallic glass using sacrificial imprint lithography. <i>Microsystems and Nanoengineering</i> , 2015 , 1,	7.7	14
15	Nanoimprinting sub-100 nm features in a photovoltaic nanocomposite using durable bulk metallic glass molds. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 3456-61	9.5	13
14	Experimental Evidence for Proposed Transformation Pathway from the Inverse Hexagonal to Inverse Diamond Cubic Phase from Oriented Lipid Samples. <i>Langmuir</i> , 2015 , 31, 7707-11	4	10
13	Scalable high-fidelity growth of semiconductor nanorod arrays with controlled geometry for photovoltaic devices using block copolymers. <i>Small</i> , 2014 , 10, 4304-9	11	9
12	Rapid fabrication of 3D terahertz split ring resonator arrays by novel single-shot direct write focused proximity field nanopatterning. <i>Optics Express</i> , 2012 , 20, 11097-108	3.3	8
11	Self-limiting electro spray deposition on polymer templates. <i>Scientific Reports</i> , 2020 , 10, 17290	4.9	8
10	Homogeneous gelation leads to nanowire forests in the transition between electro spray and electro spinning. <i>Materials Horizons</i> , 2020 , 7, 2643-2650	14.4	5
9	Novel suction-based in vivo cutaneous DNA transfection platform. <i>Science Advances</i> , 2021 , 7, eabj0611	14.3	3
8	Adaptive Simultaneous Topography and Broadband Nanomechanical Mapping of Heterogeneous Materials on Atomic Force Microscope. <i>IEEE Nanotechnology Magazine</i> , 2020 , 19, 689-698	2.6	2
7	Localized Physical Vapor Deposition via Focused Laser Spike Dewetting of Gold Thin Films for Nanoscale Patterning. <i>ACS Applied Nano Materials</i> , 2019 , 2, 586-597	5.6	2
6	Combinatorial measurement of critical cooling rates in aluminum-base metallic glass forming alloys. <i>Scientific Reports</i> , 2021 , 11, 3903	4.9	2
5	Three-Dimensional Compatible Sacrificial Nanoimprint Lithography for Tuning the Wettability of Thermoplastic Materials. <i>Journal of Micro and Nano-Manufacturing</i> , 2018 , 6,	1.3	2
4	Thermocapillary Multidewetting of Thin Films. <i>MRS Advances</i> , 2018 , 3, 977-982	0.7	2
3	Thermocapillary dewetting-based dynamic spatial light modulator. <i>Optics Letters</i> , 2021 , 46, 3721-3724	3	0
2	Atomic Layer Deposition Reinforcement of Methylcellulose Nanowire Forests. <i>Advanced Engineering Materials</i> , 2101485	3.5	

- 1 In-Air Polymerization and Crosslinking of Monomers During Electrospray Deposition. *Minerals, Metals and Materials Series*, **2022**, 327-337

0.3