

3D-printing technologies for electrochemical applications

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Rapid prototyping of electrolyzer flow field plates. <i>Energy and Environmental Science</i> , 2016, 9, 3417-3423.	15.6	49
2	3D-Printed Structural Pseudocapacitors. <i>Advanced Materials Technologies</i> , 2016, 1, 1600167.	3.0	32
3	<i>In situ</i> UV curable 3D printing of multi-material tri-legged soft bot with spider mimicked multi-step forward dynamic gait. <i>Smart Materials and Structures</i> , 2016, 25, 115009.	1.8	42
4	Evolution of 3D printed soft actuators. <i>Sensors and Actuators A: Physical</i> , 2016, 250, 258-272.	2.0	232
5	3D Printing of Highly Conductive Nanocomposites for the Functional Optimization of Liquid Sensors. <i>Small</i> , 2016, 12, 6076-6082.	5.2	91
6	Preparation of monolithic catalysts using 3D printed templates for oxidative coupling of methane. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18753-18756.	5.2	60
7	Inkjet-Printed Graphene Oxide Thin Layers on Love Wave Devices for Humidity and Vapor Detection. <i>IEEE Sensors Journal</i> , 2016, 16, 7620-7627.	2.4	42
8	From the Junkyard to the Power Grid: Ambient Processing of Scrap Metals into Nanostructured Electrodes for Ultrafast Rechargeable Batteries. <i>ACS Energy Letters</i> , 2016, 1, 1034-1041.	8.8	9
9	Nano/Microrobots Meet Electrochemistry. <i>Advanced Functional Materials</i> , 2017, 27, 1604759.	7.8	67
10	Printing assembly and structural regulation of graphene towards three-dimensional flexible micro-supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 16281-16288.	5.2	116
11	The impact of nozzle and bed temperatures on the fracture resistance of FDM printed materials. <i>Proceedings of SPIE</i> , 2017, , .	0.8	9
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14	Printed microfluidic filter for heparinized blood. <i>Biomicrofluidics</i> , 2017, 11, 034101.	1.2	9
15	SERS-Activated Platforms for Immunoassay: Probes, Encoding Methods, and Applications. <i>Chemical Reviews</i> , 2017, 117, 7910-7963.	23.0	467
16	Three-dimensional Printing for Catalytic Applications: Current Status and Perspectives. <i>Advanced Functional Materials</i> , 2017, 27, 1701134.	7.8	170
17	High through-plane thermal conductivity of polymer based product with vertical alignment of graphite flakes achieved via 3D printing. <i>Composites Science and Technology</i> , 2017, 145, 55-61.	3.8	133
18	Carbazole Scaffold Based Photoinitiator/Photoredox Catalysts: Toward New High Performance Photoinitiating Systems and Application in LED Projector 3D Printing Resins. <i>Macromolecules</i> , 2017, 50, 2747-2758.	2.2	121

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20	Fracture resistance measurement of fused deposition modeling 3D printed polymers. <i>Polymer Testing</i> , 2017, 60, 94-101.	2.3	188
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30	3D printed device including disk-based solid-phase extraction for the automated speciation of iron using the multisyringe flow injection analysis technique. <i>Talanta</i> , 2017, 175, 463-469.	2.9	39
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75	Current Status and Challenges in Printed Batteries: Toward Form Factor-Free, Monolithic Integrated Power Sources. <i>ACS Energy Letters</i> , 2018, 3, 220-236.	8.8	139
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