

Marco R Bobinger

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6800579/publications.pdf>

Version: 2024-02-01

34
papers

672
citations

623734

14
h-index

713466

21
g-index

34
all docs

34
docs citations

34
times ranked

1030
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible and robust laser-induced graphene heaters photothermally scribed on bare polyimide substrates. <i>Carbon</i> , 2019, 144, 116-126.	10.3	144
2	Role of grain boundaries in tailoring electronic properties of polycrystalline graphene by chemical functionalization. <i>2D Materials</i> , 2015, 2, 024008.	4.4	74
3	Tailoring the Aqueous Synthesis and Deposition of Copper Nanowires for Transparent Electrodes and Heaters. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700568.	3.7	53
4	Infrared, transient thermal, and electrical properties of silver nanowire thin films for transparent heaters and energy-efficient coatings. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2017, 214, 1600466.	1.8	44
5	Cellulose nanofibers as substrate for flexible and biodegradable moisture sensors. <i>Composites Science and Technology</i> , 2021, 208, 108738.	7.8	44
6	Next Generation Antennas Based on Screen-Printed and Transparent Silver Nanowire Films. <i>Advanced Optical Materials</i> , 2019, 7, 1900995.	7.3	33
7	A Potassium Metal-Organic Framework based on Perylene-3,4,9,10-tetracarboxylate as Sensing Layer for Humidity Actuators. <i>Scientific Reports</i> , 2018, 8, 14414.	3.3	27
8	Ultra-short-pulse laser ablation and modification of fully sprayed single walled carbon nanotube networks. <i>Carbon</i> , 2018, 138, 234-242.	10.3	25
9	Solution-Processing of Copper Nanowires for Transparent Heaters and Thermo-Acoustic Loudspeakers. <i>IEEE Nanotechnology Magazine</i> , 2018, 17, 940-947.	2.0	23
10	Cost-Effective PEDOT:PSS Temperature Sensors Inkjetted on a Bendable Substrate by a Consumer Printer. <i>Polymers</i> , 2019, 11, 824.	4.5	21
11	A Facile and Efficient Protocol for Preparing Residual-Free Single-Walled Carbon Nanotube Films for Stable Sensing Applications. <i>Nanomaterials</i> , 2019, 9, 471.	4.1	21
12	Over-Stretching Tolerant Conductors on Rubber Films by Inkjet-Printing Silver Nanoparticles for Wearables. <i>Polymers</i> , 2018, 10, 1413.	4.5	19
13	Light and Pressure Sensors Based on PVDF With Sprayed and Transparent Electrodes for Self-Powered Wireless Sensor Nodes. <i>IEEE Sensors Journal</i> , 2019, 19, 1114-1126.	4.7	19
14	Physical modeling and characterization of thermo-acoustic loudspeakers made of silver nano-wire films. <i>Journal of Applied Physics</i> , 2017, 121, .	2.5	19
15	Aqueous Synthesis, Degradation, and Encapsulation of Copper Nanowires for Transparent Electrodes. <i>Nanomaterials</i> , 2018, 8, 767.	4.1	15
16	On the Frequency Response of Nanostructured Thermoacoustic Loudspeakers. <i>Nanomaterials</i> , 2018, 8, 833.	4.1	14
17	High Efficiency Thermoacoustic Loudspeaker Made with a Silica Aerogel Substrate. <i>Advanced Materials Technologies</i> , 2018, 3, 1800139.	5.8	11
18	Comprehensive Synthesis Study of Well-Dispersed and Solution-Processed Metal Nanowires for Transparent Heaters. <i>Journal of Nanomaterials</i> , 2018, 2018, 1-13.	2.7	10

#	ARTICLE	IF	CITATIONS
19	On the sintering of solution-based silver nanoparticle thin-films for sprayed and flexible antennas. Nanotechnology, 2018, 29, 485701.	2.6	9
20	Energy harvesting from ambient light using PVDF with highly conductive and transparent silver nanowire/PEDOT:PSS hybride electrodes. , 2017, , .		8
21	Characterization and modeling of the thermal and electrical properties of transparent silver nanowire thin-film heaters. , 2016, , .		7
22	Functionalized and oxidized silicon nanosheets: Customized design for enhanced sensitivity towards relative humidity. Sensors and Actuators B: Chemical, 2019, 283, 451-457.	7.8	7
23	Transparent thermocouples based on spray-coated nanocomposites. , 2017, , .		5
24	Solution processing of silver nanowires for transparent heaters and flexible electronics. , 2017, , .		4
25	Scalable Deposition of Nanomaterial-Based Temperature Sensors for Transparent and Pervasive Electronics. Journal of Sensors, 2018, 2018, 1-9.	1.1	4
26	Acoustic characterization of laser-induced graphene film thermoacoustic loudspeakers. , 2019, , .		4
27	Inkjet-printed patch antennas for wireless chip-to-chip communication on flexible substrates. , 2017, , .		2
28	Characterization and modelling of transparent heaters based on solution-processed copper nanowires. , 2017, , .		2
29	Printed Technology Solutions for Audio Transducers. , 2018, , .		2
30	Spray deposition of polymeric thin-films for the inline encapsulation of organic photodiodes. , 2017, , .		1
31	Flexible Carbon Nanotube Sensors with Screen Printed and Interdigitated Electrodes. , 2019, , .		1
32	Infrared, transient thermal, and electrical properties of silver nanowire thin films for transparent heaters and energy-efficient coatings (Phys. Status Solidi A 1â•2017). Physica Status Solidi (A) Applications and Materials Science, 2017, 214, .	1.8	0
33	Transparent carbon nanotube electrodes for electric cell-substrate impedance sensing. MRS Communications, 2019, 9, 1292-1299.	1.8	0
34	Selectivity of Relative Humidity Using a CP Based on S-Block Metal Ions. Sensors, 2022, 22, 1664.	3.8	0