Viet Huong Nguyen

List of Publications by Year
in descending order

42	871	516710 16	477307 29
papers	citations	h-index	g-index

42	42	42	804
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	High performance encapsulation of transparent conductive polymers by spatial atomic layer deposition. Synthetic Metals, 2022, 284, 116995.	3.9	6
2	Advances in Flexible Metallic Transparent Electrodes. Small, 2022, 18, e2106006.	10.0	49
3	Highly Sensitive Self-Actuated Zinc Oxide Resonant Microcantilever Humidity Sensor. Nano Letters, 2022, 22, 3196-3203.	9.1	15
4	Advances in Flexible Metallic Transparent Electrodes (Small 19/2022). Small, 2022, 18, .	10.0	2
5	Atmospheric atomic layer deposition of SnO₂ thin films with tin(<scp>ii</scp>) acetylacetonate and water. Dalton Transactions, 2022, 51, 9278-9290.	3.3	15
6	Impact of precursor exposure on process efficiency and film properties in spatial atomic layer deposition. Chemical Engineering Journal, 2021, 403, 126234.	12.7	31
7	Investigation of the optical, electrical, and elemental properties upon annealing of spatial atomic layer deposited (SALD) Al-doped ZnO thin films. , 2021, , .		0
8	Planar and Transparent Memristive Devices Based on Titanium Oxide Coated Silver Nanowire Networks with Tunable Switching Voltage. Small, 2021, 17, e2007344.	10.0	17
9	Memristive Devices: Planar and Transparent Memristive Devices Based on Titanium Oxide Coated Silver Nanowire Networks with Tunable Switching Voltage (Small 21/2021). Small, 2021, 17, 2170102.	10.0	0
10	Nanoscale Film Thickness Gradients Printed in Open Air by Spatially Varying Chemical Vapor Deposition. Advanced Functional Materials, 2021, 31, 2103271.	14.9	8
11	Open-air printing of Cu2O thin films with high hole mobility for semitransparent solar harvesters. Communications Materials, 2021, 2, .	6.9	39
12	Effects of non-homogeneity and oxide coating on silver nanowire networks under electrical stress: comparison between experiment and modeling. Nanotechnology, 2021, 32, 445702.	2.6	12
13	Simultaneous enhancement of specific capacitance and potential window of graphene-based electric double-layer capacitors using ferroelectric polymers. Journal of Power Sources, 2021, 507, 230268.	7.8	5
14	Titanium Nitride Nanodonuts Synthesized from Natural Ilmenite Ore as a Novel and Efficient Thermoplasmonic Material. Nanomaterials, 2021, 11, 76.	4.1	7
15	Nanoscale Film Thickness Gradients Printed in Open Air by Spatially Varying Chemical Vapor Deposition. ECS Meeting Abstracts, 2021, MA2021-02, 871-871.	0.0	0
16	Gasâ€Phase 3D Printing of Functional Materials. Advanced Materials Technologies, 2020, 5, 2000657.	5.8	22
17	Gasâ€Phase 3D Printing: Gasâ€Phase 3D Printing of Functional Materials (Adv. Mater. Technol. 12/2020). Advanced Materials Technologies, 2020, 5, 2070074.	5.8	1
18	Atmospheric Plasma-Enhanced Spatial Chemical Vapor Deposition of SiO₂ Using Trivinylmethoxysilane and Oxygen Plasma. Chemistry of Materials, 2020, 32, 5153-5161.	6.7	17

#	Article	IF	Citations
19	(Invited) In-Situ and Combinatorial Techniques for Spatial ALD. ECS Meeting Abstracts, 2020, MA2020-02, 1666-1666.	0.0	0
20	The Role of Humidity in Tuning the Texture and Electrical Properties of Cu₂O Thin Films Deposited via Aerosolâ€Assisted CVD. Advanced Materials Interfaces, 2019, 6, 1801364.	3.7	2
21	Low-cost fabrication of flexible transparent electrodes based on Al doped ZnO and silver nanowire nanocomposites: impact of the network density. Nanoscale, 2019, 11, 12097-12107.	5.6	51
22	Al2O3, Al doped ZnO and SnO2 encapsulation of randomly oriented ZnO nanowire networks for high performance and stable electrical devices. Nanotechnology, 2019, 30, 385202.	2.6	6
23	Monolithic fabrication of nano-to-millimeter scale integrated transistors based on transparent and flexible silicon nanonets. Nano Futures, 2019, 3, 025002.	2.2	5
24	ZnO based nanowire network for gas sensing applications. Materials Research Express, 2019, 6, 084004.	1.6	9
25	Ultrathin TiO_x Interfaceâ€Mediated ZnOâ€Nanowire Memristive Devices Emulating Synaptic Behaviors. Advanced Electronic Materials, 2019, 5, 1900142.	5.1	9
26	Cu₂O Thin Films: The Role of Humidity in Tuning the Texture and Electrical Properties of Cu₂O Thin Films Deposited via Aerosolâ€Assisted CVD (Adv. Mater. Interfaces 3/2019). Advanced Materials Interfaces, 2019, 6, 1970020.	3.7	9
27	Metal-Insulator-Metal Diodes: Quantum-Tunneling Metal-Insulator-Metal Diodes Made by Rapid Atmospheric Pressure Chemical Vapor Deposition (Adv. Funct. Mater. 7/2019). Advanced Functional Materials, 2019, 29, 1970042.	14.9	1
28	Silicon Heterojunction and Half-Cell configuration: optimization path for increased module power. , 2019, , .		4
29	Versatility of bilayer metal oxide coatings on silver nanowire networks for enhanced stability with minimal transparency loss. Nanoscale, 2019, 11, 19969-19979.	5.6	35
30	Influence of the Geometric Parameters on the Deposition Mode in Spatial Atomic Layer Deposition: A Novel Approach to Area-Selective Deposition. Coatings, 2019, 9, 5.	2.6	25
31	Quantumâ€Tunneling Metalâ€Insulatorâ€Metal Diodes Made by Rapid Atmospheric Pressure Chemical Vapor Deposition. Advanced Functional Materials, 2019, 29, 1805533.	14.9	39
32	Oxidation of copper nanowire based transparent electrodes in ambient conditions and their stabilization by encapsulation: application to transparent film heaters. Nanotechnology, 2018, 29, 085701.	2.6	68
33	Increasing the Electron Mobility of ZnO-Based Transparent Conductive Films Deposited by Open-Air Methods for Enhanced Sensing Performance. ACS Applied Nano Materials, 2018, 1, 6922-6931.	5.0	27
34	Electron tunneling through grain boundaries in transparent conductive oxides and implications for electrical conductivity: the case of ZnO:Al thin films. Materials Horizons, 2018, 5, 715-726.	12.2	43
35	Stability Enhancement of Silver Nanowire Networks with Conformal ZnO Coatings Deposited by Atmospheric Pressure Spatial Atomic Layer Deposition. ACS Applied Materials & Interfaces, 2018, 10, 19208-19217.	8.0	97
36	Deposition of ZnO based thin films by atmospheric pressure spatial atomic layer deposition for application in solar cells. Journal of Renewable and Sustainable Energy, 2017, 9, .	2.0	51

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37	Spatial Atomic Layer Deposition (SALD), an emerging tool for energy materials. Application to new-generation photovoltaic devices and transparent conductive materials. Comptes Rendus Physique, 2017, 18, 391-400.	0.9	71
38	Transparent Electrodes Based on Silver Nanowire Networks: From Physical Considerations towards Device Integration. Materials, 2017, 10, 570.	2.9	59
39	Second harmonic generation for contactless non-destructive characterization of silicon on insulator wafers. Solid-State Electronics, 2016, 115, 237-243.	1.4	3
40	Second harmonic generation for non-destructive characterization of silicon-on-insulator substrates. , 2015, , .		0
41	Spatial Atomic Layer Deposition. , 0, , .		10
42	Metallic Nanowire Percolating Network: From Main Properties to Applications. , 0, , .		1