

Tudor V Braniste

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Large-Sized Nanocrystalline Ultrathin $\text{In}^{2-}\text{Ga}_2\text{O}_3$ Membranes Fabricated by Surface Charge Lithography. <i>Nanomaterials</i> , 2022, 12, 689.	1.9	0
2	The microwave properties of tin sulfide thin films prepared by RF magnetron sputtering techniques. <i>Nanotechnology</i> , 2022, 33, 235705.	1.3	3
3	Ultrathin tin sulfide field-effect transistors with subthreshold slope below 60 mV/decade. <i>Nanotechnology</i> , 2022, 33, 405207.	1.3	5
4	Highly Porous and Ultra-Lightweight Aero- Ga_2O_3 : Enhancement of Photocatalytic Activity by Noble Metals. <i>Materials</i> , 2021, 14, 1985.	1.3	9
5	Ultrafast Third-Order Nonlinear Optical Response Excited by fs Laser Pulses at 1550 nm in GaN Crystals. <i>Materials</i> , 2021, 14, 3194.	1.3	5
6	Self-Propelled Aero-GaN Based Liquid Marbles Exhibiting Pulsed Rotation on the Water Surface. <i>Materials</i> , 2021, 14, 5086.	1.3	3
7	Advanced Hybrid GaN/ZnO Nanoarchitected Microtubes for Fluorescent Micromotors Driven by UV Light. <i>Small</i> , 2020, 16, 1905141.	5.2	18
8	Aero- Ga_2O_3 Nanomaterial Electromagnetically Transparent from Microwaves to Terahertz for Internet of Things Applications. <i>Nanomaterials</i> , 2020, 10, 1047.	1.9	12
9	Aero-ZnS architectures with dual hydrophilic-hydrophobic properties for microfluidic applications. <i>APL Materials</i> , 2020, 8, .	2.2	9
10	Mesenchymal stem cells proliferation and remote manipulation upon exposure to magnetic semiconductor nanoparticles. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2020, 25, e00435.	2.1	7
11	Modulation of Electrical Conductivity and Lattice Distortions in Bulk HVPE-Grown GaN. <i>ECS Journal of Solid State Science and Technology</i> , 2019, 8, Q141-Q146.	0.9	5
12	Terahertz shielding properties of aero-GaN. <i>Semiconductor Science and Technology</i> , 2019, 34, 12LT02.	1.0	13
13	Electromagnetic interference shielding in X-band with aero-GaN. <i>Nanotechnology</i> , 2019, 30, 34LT01.	1.3	12
14	Sensing up to 40% atm Using Pressure-Sensitive Aero-GaN. <i>Physica Status Solidi - Rapid Research Letters</i> , 2019, 13, 1900012.	1.2	13
15	Self-organized and self-propelled aero-GaN with dual hydrophilic-hydrophobic behaviour. <i>Nano Energy</i> , 2019, 56, 759-769.	8.2	26
16	Properties of a single $\text{SnO}_2:\text{Zn}_2\text{SnO}_4$ Functionalized nanowire based nanosensor. <i>Ceramics International</i> , 2018, 44, 4859-4867.	2.3	34
17	Learning mechanisms in memristor networks based on GaN nanomembranes. <i>Journal of Applied Physics</i> , 2018, 124, 152110.	1.1	6
18	Multilayer porous structures on GaN for the fabrication of Bragg reflectors. <i>Proceedings of SPIE</i> , 2017, , .	0.8	4

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19	Multilayer porous structures of HVPE and MOCVD grown GaN for photonic applications. Superlattices and Microstructures, 2017, 102, 221-234.	1.4	17
20	Sensitivity of human pluripotent stem cells to insulin precipitation induced by peristaltic pump-based medium circulation: considerations on process development. Scientific Reports, 2017, 7, 3950.	1.6	9
21	Targeting Endothelial Cells with Multifunctional GaN/Fe Nanoparticles. Nanoscale Research Letters, 2017, 12, 486.	3.1	7
22	Viability and proliferation of endothelial cells upon exposure to GaN nanoparticles. Beilstein Journal of Nanotechnology, 2016, 7, 1330-1337.	1.5	14
23	Memristive GaN ultrathin suspended membrane array. Nanotechnology, 2016, 27, 295204.	1.3	9
24	Ultra-lightweight pressure sensor based on graphene aerogel decorated with piezoelectric nanocrystalline films. Nanotechnology, 2016, 27, 475203.	1.3	15
25	Self-Organized Three-Dimensional Nanostructured Architectures in Bulk GaN Generated by Spatial Modulation of Doping. ECS Journal of Solid State Science and Technology, 2016, 5, P218-P227.	0.9	18
26	Nanowire Networks: Three-Dimensional SnO ₂ Nanowire Networks for Multifunctional Applications: From High-Temperature Stretchable Ceramics to Ultraresponsive Sensors (Adv. Electron. Mater.) Tj ETQq0 0 0 rgBT40verlock110 Tf 50 4		
27	Three-Dimensional SnO ₂ Nanowire Networks for Multifunctional Applications: From High-Temperature Stretchable Ceramics to Ultraresponsive Sensors. Advanced Electronic Materials, 2015, 1, 1500081.	2.6	116
28	Integration of individual TiO ₂ nanotube on the chip: Nanodevice for hydrogen sensing. Physica Status Solidi - Rapid Research Letters, 2015, 9, 171-174.	1.2	56
29	Fabrication of photonic crystal circuits based on GaN ultrathin membranes by maskless lithography. , 2015, , .		4
30	Rapid switching and ultra-responsive nanosensors based on individual shell-core Ga ₂ O ₃ /GaN:O@SnO ₂ nanobelt with nanocrystalline shell in mixed phases. Sensors and Actuators B: Chemical, 2015, 221, 544-555.	4.0	62
31	Photocatalytic properties of TiO ₂ nanotubes doped with Ag, Au and Pt or covered by Ag, Au and Pt nanodots. Surface Engineering and Applied Electrochemistry, 2015, 51, 3-8.	0.3	18
32	Three-dimensional Aerographite-GaN hybrid networks: Single step fabrication of porous and mechanically flexible materials for multifunctional applications. Scientific Reports, 2015, 5, 8839.	1.6	45
33	Effects of morphology on the emission of photons from GaN membranes fabricated using surface charge lithography. Proceedings of SPIE, 2013, , .	0.8	0
34	Cathodoluminescence characterization of suspended GaN nanomembranes. Journal of Applied Physics, 2013, 114, .	1.1	5
35	The impact of nanoporation on persistent photoconductivity and optical quenching effects in suspended GaN nanomembranes. Applied Physics Letters, 2013, 103, 243113.	1.5	3
36	Yellow Luminescence and Optical Quenching of Photoconductivity in Ultrathin Suspended GaN Membranes Produced by Surface Charge Lithography. Journal of Nanoelectronics and Optoelectronics, 2012, 7, 730-734.	0.1	3