Vladimir Neplokh

List of Publications by Year
in descending order

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20 papers	343 citations	933410 10 h-index	839512 18 g-index
20 all docs	20 docs citations	20 times ranked	518 citing authors

#	Article	IF	Citations
1	Lanthanide(III)-Incorporating Polysiloxanes as Materials for Light-Emitting Devices. ACS Applied Polymer Materials, 2022, 4, 2683-2690.	4.4	11
2	Large-scale flexible membrane with resonant silicon nanowires for infrared visualization via efficient third harmonic generation. Applied Physics Letters, 2022, 120, 151102.	3.3	2
3	Recrystallization of CsPbBr3 Nanoparticles in Fluoropolymer Nonwoven Mats for Down- and Up-Conversion of Light. Nanomaterials, 2021, 11, 412.	4.1	6
4	Stretchable Transparent Light-Emitting Diodes Based on InGaN/GaN Quantum Well Microwires and Carbon Nanotube Films. Nanomaterials, 2021, 11, 1503.	4.1	10
5	Flexible Perovskite CsPbBr‹sub›3‹/sub› Light Emitting Devices Integrated with GaP Nanowire Arrays in Highly Transparent and Durable Functionalized Silicones. Journal of Physical Chemistry Letters, 2021, 12, 9672-9676.	4.6	6
6	Red GaPAs/GaP Nanowire-Based Flexible Light-Emitting Diodes. Nanomaterials, 2021, 11, 2549.	4.1	8
7	Silicon nanowire/polymer membrane for infrared visualization via third-harmonic generation. Journal of Physics: Conference Series, 2021, 2015, 012096.	0.4	1
8	Optimization of Optoelectronic Properties of Patterned Single-Walled Carbon Nanotube Films. ACS Applied Materials & Interfaces, 2020, 12, 55141-55147.	8.0	15
9	Gallium Phosphide Nanowires in a Free-Standing, Flexible, and Semitransparent Membrane for Large-Scale Infrared-to-Visible Light Conversion. ACS Nano, 2020, 14, 10624-10632.	14.6	38
10	Selective-Area Remote Epitaxy of ZnO Microrods Using Multilayerâ€“Monolayer-Patterned Graphene for Transferable and Flexible Device Fabrications. ACS Applied Nano Materials, 2020, 3, 8920-8930.	5.0	25
11	Structural and Optical Properties of Self-Catalyzed Axially Heterostructured GaPN/GaP Nanowires Embedded into a Flexible Silicone Membrane. Nanomaterials, 2020, 10, 2110.	4.1	20
12	Novel design strategy for GaAsâ€based solar cell by application of singleâ€walled carbon nanotubes topmost layer. Energy Science and Engineering, 2020, 8, 2938-2945.	4.0	7
13	Modified silicone rubber for fabrication and contacting of flexible suspended membranes of n-/p-GaP nanowires with a single-walled carbon nanotube transparent contact. Journal of Materials Chemistry C, 2020, 8, 3764-3772.	5.5	27
14	Fabrication and electrical study of large area free-standing membrane with embedded GaP NWs for flexible devices. Nanotechnology, 2020, 31, 46LT01.	2.6	10
15	Flexible Photodiodes Based on Nitride Core/Shell pâ€“n Junction Nanowires. ACS Applied Materials & Interfaces, 2016, 8, 26198-26206.	8.0	66
16	Electron beam induced current microscopy investigation of GaN nanowire arrays grown on Si substrates. Materials Science in Semiconductor Processing, 2016, 55, 72-78.	4.0	9
17	Coreâ€“Shell Heterojunction Solar Cells Based on Disordered Silicon Nanowire Arrays. Journal of Physical Chemistry C, 2016, 120, 2962-2972.	3.1	32
18	Substrate-Free InGaN/GaN Nanowire Light-Emitting Diodes. Nanoscale Research Letters, 2015, 10, 447.	5.7	19

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19	High structural quality InGaN/GaN multiple quantum well solar cells. Physica Status Solidi C: Current Topics in Solid State Physics, 2015, 12, 1412-1415.	0.8	9
20	Color control of nanowire InGaN/GaN light emitting diodes by post-growth treatment. Nanotechnology, 2015, 26, 465203.	2.6	22