

Jindrich Mach

List of Publications by Year in descending order

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papers

224
citations

1040056

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#	ARTICLE	IF	CITATIONS
1	Correlative Raman Imaging and Scanning Electron Microscopy: The Role of Single Ga Islands in Surface-Enhanced Raman Spectroscopy of Graphene. <i>Journal of Physical Chemistry C</i> , 2022, 126, 4508-4514.	3.1	2
2	Kinetics of Guided Growth of Horizontal GaN Nanowires on Flat and Faceted Sapphire Surfaces. <i>Nanomaterials</i> , 2021, 11, 624.	4.1	3
3	Density functional study of gallium clusters on graphene: electronic doping and diffusion. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 025002.	1.8	0
4	Mechanism and Suppression of Physisorbed-Water-Caused Hysteresis in Graphene FET Sensors. <i>ACS Sensors</i> , 2020, 5, 2940-2949.	7.8	14
5	Calcium and fluorine signals in HS-LEIS for CaF ₂ (111) and powder—Quantification of atomic surface concentrations using LiF(001), Ca, and Cu references. <i>Surface Science Spectra</i> , 2020, 27, .	1.3	4
6	Low temperature selective growth of GaN single crystals on pre-patterned Si substrates. <i>Applied Surface Science</i> , 2019, 497, 143705.	6.1	4
7	Kelvin Probe Force Microscopy and Calculation of Charge Transport in a Graphene/Silicon Dioxide System at Different Relative Humidity. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 11987-11994.	8.0	16
8	Nanometer-Sized Water Bridge and Pull-Off Force in AFM at Different Relative Humidities: Reproducibility Measurement and Model Based on Surface Tension Change. <i>Journal of Physical Chemistry B</i> , 2017, 121, 610-619.	2.6	40
9	Electronic transport properties of graphene doped by gallium. <i>Nanotechnology</i> , 2017, 28, 415203.	2.6	14
10	Analyzing the surface layer after WEDM depending on the parameters of a machine for the 16MnCr5 steel. <i>Measurement: Journal of the International Measurement Confederation</i> , 2016, 94, 771-779.	5.0	33
11	Optimization of ion-atomic beam source for deposition of GaN ultrathin films. <i>Review of Scientific Instruments</i> , 2014, 85, 083302.	1.3	3
12	Ultrasmooth metallic foils for growth of high quality graphene by chemical vapor deposition. <i>Nanotechnology</i> , 2014, 25, 185601.	2.6	36
13	<i>In-situ</i> observation of ~110° oriented Ge nanowire growth and associated collector droplet behavior. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	15
14	An ultra-low energy (30–200 eV) ion-atomic beam source for ion-beam-assisted deposition in ultrahigh vacuum. <i>Review of Scientific Instruments</i> , 2011, 82, 083302.	1.3	9
15	Selective growth of Co islands on ion beam induced nucleation centers in a native SiO ₂ film. <i>Journal of Applied Physics</i> , 2009, 105, .	2.5	13
16	Selective Growth of Metallic Nanostructures on Surfaces Patterned by AFM Local Anodic Oxidation. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 5887-5890.	0.9	3
17	Atomic hydrogen induced gallium nanocluster formation on the Si(1 0 0) surface. <i>Surface Science</i> , 2008, 602, 1898-1902.	1.9	2
18	A study of Ga layers on Si(100)-(2×1) by SR-PES: Influence of adsorbed water. <i>Surface Science</i> , 2007, 601, 2047-2053.	1.9	3

#	ARTICLE	IF	CITATIONS
19	Analysis of Thin Films by Time-of-Flight Low Energy Ion Scattering. Acta Physica Polonica A, 2007, 111, 335-341.	0.5	0
20	Deposition and in-situ characterization of ultra-thin films. Thin Solid Films, 2004, 459, 17-22.	1.8	10