

Oguzhan Gurlu

List of Publications by Year in descending order

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papers

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759233

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33
all docs

33
docs citations

33
times ranked

520
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-organized, one-dimensional Pt nanowires on Ge(001). Applied Physics Letters, 2003, 83, 4610-4612.	3.3	139
2	Quantum Confinement between Self-Organized Pt Nanowires on Ge(001). Physical Review Letters, 2005, 95, 116801.	7.8	98
3	Electronic Properties of $(2\text{Å}-1)$ and $(4\text{Å}-2)$ Domains on Ge(001) Studied by Scanning Tunneling Spectroscopy. Physical Review Letters, 2004, 93, 066101.	7.8	64
4	Donor-acceptor pair recombination in AgIn5S8 single crystals. Journal of Applied Physics, 1999, 85, 3198-3201.	2.5	45
5	Initial stages of Pt growth on Ge(001) studied by scanning tunneling microscopy and density functional theory. Physical Review B, 2004, 70, .	3.2	26
6	The influence of strain on the diffusion of Si dimers on Si(001). Surface Science, 2000, 452, 247-252.	1.9	24
7	Temperature dependence of the step free energy. Physical Review B, 2001, 64, .	3.2	23
8	Optical Modulation With Silicon Microspheres. IEEE Photonics Technology Letters, 2009, 21, 1481-1483.	2.5	22
9	Mechanical dissipation via image potential states on a topological insulator surface. Nature Materials, 2019, 18, 1201-1206.	27.5	21
10	Polarization behavior of elastic scattering from a silicon microsphere coupled to an optical fiber. Photonics Research, 2014, 2, 45.	7.0	15
11	Wear and corrosion resistance enhancement of chromium surfaces through graphene oxide coating. Surface and Coatings Technology, 2020, 391, 125595.	4.8	15
12	Dependence of the photoluminescence of $\text{Tl}_2\text{InGaS}_4$ layered crystal on temperature and excitation intensity. Solid State Communications, 1998, 108, 525-530.	1.9	13
13	Coexistence of $(2\text{Å}-1)$ and $(4\text{Å}-2)$ phases on Ge(001). Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 326, 457-461.	2.1	10
14	Spin-polarised electrons in a one-magnet-only Mott spin junction. Scientific Reports, 2017, 7, 13237.	3.3	10
15	Controlled damaging and repair of self-organized nanostructures by atom manipulation at room temperature. Nanotechnology, 2007, 18, 365305.	2.6	8
16	Faceting of $\text{Si}(100)$ steps on Si(001) and Ge(001) surfaces. Physical Review B, 2004, 69, .	3.2	7
17	Apparent corrugation variations on moiré patterns on highly oriented pyrolytic graphite. Materials Today Communications, 2016, 8, 72-78.	1.9	5
18	Investigation of CVD graphene as-grown on Cu foil using simultaneous scanning tunneling/atomic force microscopy. Beilstein Journal of Nanotechnology, 2018, 9, 2953-2959.	2.8	5

#	ARTICLE	IF	CITATIONS
19	Scanning tunneling microscopy in the field-emission regime: Formation of a two-dimensional electron cascade. Applied Physics Letters, 2019, 115, .	3.3	5
20	Analysis and detection of low-energy electrons in scanning electron microscopes using a Bessel box electron energy analyser. Journal of Electron Spectroscopy and Related Phenomena, 2020, 241, 146823.	1.7	5
21	Scanning Field Emission Microscopy with Polarization Analysis (SFEMPA). Journal of Electron Spectroscopy and Related Phenomena, 2020, 241, 146865.	1.7	5
22	Dynamical electrical tuning of a silicon microsphere: used for spectral mapping of the optical resonances. Applied Optics, 2014, 53, 6181.	1.8	3
23	Investigation of atomic species in Pt-induced nanowires on Ge(001) surface by combined atomic force and scanning tunneling microscopy. Physical Review B, 2017, 96, .	3.2	2
24	Non-topographic current contrast in scanning field emission microscopy. Royal Society Open Science, 2021, 8, 210511.	2.4	2
25	Tuning of optical resonances of a microsphere with liquid crystal. , 2011, , .		1
26	Non-topographic contrast in constant-current Scanning Field-Emission Microscopy (SFEM). , 2020, , .		1
27	Near-infrared resonant cavity enhanced silicon microsphere photodetector. Proceedings of SPIE, 2009, , .	0.8	0
28	Silicon microspheres for optical modulation applications. , 2009, , .		0
29	Silicon microsphere based filtering application for near-infrared optical fiber based telecommunication. , 2011, , .		0
30	Preface to the special section on nano- and mesoscale friction. Journal of Physics Condensed Matter, 2016, 28, 130301.	1.8	0
31	Spin resolved Imaging with Scanning Field-Emission Microscopy. , 2018, , .		0
32	Whispering-gallery modes observed in elastic scattering from submerged high-refractive-index silica microspheres. Optical Engineering, 2017, 56, 1.	1.0	0
33	Micro-Spectroscopy in the Low-Energy Regime:Secondary Electron Detection and Energy Analysis in the Scanning Field-Emission Microscope. Journal of Surface Analysis (Online), 2019, 26, 150-151.	0.1	0