

Oguzhan Gurlu

List of Publications by Year in descending order

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papers

574
citations

759233

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24
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33
all docs

33
docs citations

33
times ranked

520
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-topographic current contrast in scanning field emission microscopy. Royal Society Open Science, 2021, 8, 210511.	2.4	2
2	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
3	Scanning Field Emission Microscopy with Polarization Analysis (SFEMPA). Journal of Electron Spectroscopy and Related Phenomena, 2020, 241, 146865.	1.7	5
4	Non-topographic contrast in constant-current Scanning Field-Emission Microscopy (SFEM). , 2020, , .		1
5	Wear and corrosion resistance enhancement of chromium surfaces through graphene oxide coating. Surface and Coatings Technology, 2020, 391, 125595.	4.8	15
6	Mechanical dissipation via image potential states on a topological insulator surface. Nature Materials, 2019, 18, 1201-1206.	27.5	21
7	Scanning tunneling microscopy in the field-emission regime: Formation of a two-dimensional electron cascade. Applied Physics Letters, 2019, 115, .	3.3	5
8	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
9	Spin resolved Imaging with Scanning Field-Emission Microscopy. , 2018, , .		0
10	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
11	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
12	Spin-polarised electrons in a one-magnet-only Mott spin junction. Scientific Reports, 2017, 7, 13237.	3.3	10
13	Whispering-gallery modes observed in elastic scattering from submerged high-refractive-index silica microspheres. Optical Engineering, 2017, 56, 1.	1.0	0
14	Preface to the special section on nano- and mesoscale friction. Journal of Physics Condensed Matter, 2016, 28, 130301.	1.8	0
15	Apparent corrugation variations on moiré patterns on highly oriented pyrolytic graphite. Materials Today Communications, 2016, 8, 72-78.	1.9	5
16	Dynamical electrical tuning of a silicon microsphere: used for spectral mapping of the optical resonances. Applied Optics, 2014, 53, 6181.	1.8	3
17	Polarization behavior of elastic scattering from a silicon microsphere coupled to an optical fiber. Photonics Research, 2014, 2, 45.	7.0	15
18	Tuning of optical resonances of a microsphere with liquid crystal. , 2011, , .		1

#	ARTICLE	IF	CITATIONS
19	Silicon microsphere based filtering application for near-infrared optical fiber based telecommunication. , 2011, , .		0
20	Near-infrared resonant cavity enhanced silicon microsphere photodetector. Proceedings of SPIE, 2009, , .	0.8	0
21	Silicon microspheres for optical modulation applications. , 2009, , .		0
22	Optical Modulation With Silicon Microspheres. IEEE Photonics Technology Letters, 2009, 21, 1481-1483.	2.5	22
23	Controlled damaging and repair of self-organized nanostructures by atom manipulation at room temperature. Nanotechnology, 2007, 18, 365305.	2.6	8
24	Quantum Confinement between Self-Organized Pt Nanowires on Ge(001). Physical Review Letters, 2005, 95, 116801.	7.8	98
25	Faceting of $\sqrt{10}\%$ steps on Si(001) and Ge(001) surfaces. Physical Review B, 2004, 69, .	3.2	7
26	Electronic Properties of $(2\sqrt{1}-1)$ and $c(4\sqrt{1}-2)$ Domains on Ge(001) Studied by Scanning Tunneling Spectroscopy. Physical Review Letters, 2004, 93, 066101.	7.8	64
27	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
28	Coexistence of $(2\sqrt{1}-1)$ and $c(4\sqrt{1}-2)$ phases on Ge(001). Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 326, 457-461.	2.1	10
29	Self-organized, one-dimensional Pt nanowires on Ge(001). Applied Physics Letters, 2003, 83, 4610-4612.	3.3	139
30	Temperature dependence of the step free energy. Physical Review B, 2001, 64, .	3.2	23
31	The influence of strain on the diffusion of Si dimers on Si(001). Surface Science, 2000, 452, 247-252.	1.9	24
32	Donor-acceptor pair recombination in AgIn5S8 single crystals. Journal of Applied Physics, 1999, 85, 3198-3201.	2.5	45
33	Dependence of the photoluminescence of Tl2InGaS4 layered crystal on temperature and excitation intensity. Solid State Communications, 1998, 108, 525-530.	1.9	13