

Jörg Grenzer

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

962
citations

516710

16
h-index

713466

21
g-index

22
all docs

22
docs citations

22
times ranked

1793
citing authors

#	ARTICLE	IF	CITATIONS
1	Low damping and microstructural perfection of sub-40nm-thin yttrium iron garnet films grown by liquid phase epitaxy. <i>Physical Review Materials</i> , 2020, 4, .	2.4	49
2	Widely tunable GaAs bandgap via strain engineering in core/shell nanowires with large lattice mismatch. <i>Nature Communications</i> , 2019, 10, 2793.	12.8	78
3	Preparation of non-oxidized Ge quantum dot lattices in amorphous Al ₂ O ₃ , Si ₃ N ₄ and SiC matrices. <i>Nanotechnology</i> , 2019, 30, 335601.	2.6	14
4	Nonthermal nature of photoinduced insulator-to-metal transition in NbO_2 . <i>Physical Review B</i> , 2019, 99, .	3.2	19
5	3D Local Manipulation of the Metal-Insulator Transition Behavior in VO ₂ Thin Film by Defect-Induced Lattice Engineering. <i>Advanced Materials Interfaces</i> , 2018, 5, 1701268.	3.7	19
6	Ultra-dense planar metallic nanowire arrays with extremely large anisotropic optical and magnetic properties. <i>Nano Research</i> , 2018, 11, 3519-3528.	10.4	18
7	Stress control of tensile-strained InGaP nanomechanical string resonators. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	25
8	Strain and Band-Gap Engineering in Ge _{1-x} Sn _x Alloys via Epitaxial Mn ₅ Ge ₃ (100) layer on Ge (100) substrates obtained by flash lamp annealing. <i>Applied Physics Letters</i> , 2018, 113, .	3.8	17
9	Percolated Si:SiO ₂ Nanocomposites: Oven- vs. Millisecond Laser-Induced Crystallization of SiO _x Thin Films. <i>Nanomaterials</i> , 2018, 8, 525.	3.3	14
10	Ge/Si core/shell quantum dots in alumina: tuning the optical absorption by the core and shell size. <i>Nanophotonics</i> , 2017, 6, 1055-1062.	4.1	6
11	Faceted nanostructure arrays with extreme regularity by self-assembly of vacancies. <i>Nanoscale</i> , 2015, 7, 18928-18935.	6.0	22
12	Revisiting magnetic stripe domains' anisotropy gradient and stripe asymmetry. <i>Journal of Applied Physics</i> , 2013, 113, 073903.	5.6	45
13	Release of helium from vacancy defects in yttria-stabilized zirconia under irradiation. <i>Physical Review B</i> , 2012, 86, .	2.5	22
14	Tuning the shape and damage in ion-beam induced ripples on silicon. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2011, 208, 2608-2611.	3.2	19
15	Application of pulsed laser annealing to ferromagnetic GaMnAs. <i>Physical Review B</i> , 2010, 81, .	1.8	6
16	Xe ion beam induced rippled structures on differently oriented single-crystalline Si surfaces. <i>Journal Physics D: Applied Physics</i> , 2010, 43, 112001.	3.2	27
17	X-ray scattering and diffraction from ion beam induced ripples in crystalline silicon. <i>Journal of Applied Physics</i> , 2008, 104, .	2.8	10
18	X-ray scattering and diffraction from ion beam induced ripples in crystalline silicon. <i>Journal of Applied Physics</i> , 2008, 104, .	2.5	26

#	ARTICLE	IF	CITATIONS
19	Organic Field-Effect Transistors Utilizing Solution-Deposited Oligothiophene-Based Swivel Cruciforms. <i>Chemistry of Materials</i> , 2007, 19, 1267-1276.	6.7	30
20	Solution Processable Organic Field-Effect Transistors Utilizing an α,α' -Dihexylpentathiophene-Based Swivel Cruciform. <i>Journal of the American Chemical Society</i> , 2006, 128, 3914-3915.	13.7	111
21	Effect of Molecular Weight on the Structure and Crystallinity of Poly(3-hexylthiophene). <i>Macromolecules</i> , 2006, 39, 2162-2171.	4.8	385