

Andreas Rahm

List of Publications by Year in descending order

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32
papers

1,905
citations

394421

19
h-index

501196

28
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32
all docs

32
docs citations

32
times ranked

2353
citing authors

#	ARTICLE	IF	CITATIONS
1	High electron mobility of epitaxial ZnO thin films on c-plane sapphire grown by multistep pulsed-laser deposition. Applied Physics Letters, 2003, 82, 3901-3903.	3.3	596
2	Whispering Gallery Modes in Nanosized Dielectric Resonators with Hexagonal Cross Section. Physical Review Letters, 2004, 93, 103903.	7.8	291
3	Dielectric functions (1 to 5 eV) of wurtzite Mg _x Zn _{1-x} O (x = 0.29) thin films. Applied Physics Letters, 2003, 82, 2260-2262.	3.3	165
4	Optical and electrical properties of epitaxial (Mg,Cd) _x Zn _{1-x} O, ZnO, and ZnO:(Ga,Al) thin films on c-plane sapphire grown by pulsed laser deposition. Solid-State Electronics, 2003, 47, 2205-2209.	1.4	140
5	Phosphorus acceptor doped ZnO nanowires prepared by pulsed-laser deposition. Nanotechnology, 2007, 18, 455707.	2.6	109
6	Spatially Inhomogeneous Impurity Distribution in ZnO Micropillars. Nano Letters, 2004, 4, 797-800.	9.1	78
7	Whispering gallery modes in zinc oxide micro- and nanowires. Physica Status Solidi (B): Basic Research, 2010, 247, 1282-1293.	1.5	77
8	Ordered growth of tilted ZnO nanowires: morphological, structural and optical characterization. Nanotechnology, 2007, 18, 195303.	2.6	45
9	Self-organized growth of ZnO-based nano- and microstructures. Physica Status Solidi (B): Basic Research, 2010, 247, 1265-1281.	1.5	41
10	Pulsed-laser deposition and characterization of ZnO nanowires with regular lateral arrangement. Applied Physics A: Materials Science and Processing, 2007, 88, 31-34.	2.3	36
11	Two-dimensional ZnO:Al nanosheets and nanowalls obtained by Al ₂ O ₃ -assisted carbothermal evaporation. Thin Solid Films, 2005, 486, 191-194.	1.8	35
12	Infrared dielectric function and phonon modes of Mg-rich cubic Mg _x Zn _{1-x} O (x = 0.67) thin films on sapphire (0001). Applied Physics Letters, 2004, 85, 905-907.	3.3	29
13	High electron mobility of phosphorous-doped homoepitaxial ZnO thin films grown by pulsed-laser deposition. Journal of Applied Physics, 2008, 104, 013708.	2.5	27
14	Electrical properties of ZnO thin films and optical properties of ZnO-based nanostructures. Superlattices and Microstructures, 2005, 38, 317-328.	3.1	26
15	Low temperature photoluminescence and infrared dielectric functions of pulsed laser deposited ZnO thin films on silicon. Thin Solid Films, 2006, 496, 234-239.	1.8	25
16	EPR study on magnetic Zn _{1-x} Mn _x O. Superlattices and Microstructures, 2005, 38, 413-420.	3.1	24
17	Homoepitaxial ZnO thin films by PLD: Structural properties. Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 3280-3287.	0.8	23
18	Optical whispering gallery modes in dodecagonal zinc oxide microcrystals. Superlattices and Microstructures, 2007, 42, 333-336.	3.1	22

#	ARTICLE	IF	CITATIONS
19	Magnetoresistance in pulsed laser deposited 3d transition metal doped ZnO films. Thin Solid Films, 2006, 515, 2549-2554.	1.8	20
20	Growth of highly oriented graphite films at room temperature by pulsed laser deposition using carbon-sulfur targets. Carbon, 2006, 44, 3064-3072.	10.3	17
21	ZnO based planar and micropillar resonators. Superlattices and Microstructures, 2007, 41, 360-363.	3.1	15
22	A zinc oxide microwire laser. Superlattices and Microstructures, 2007, 41, 347-351.	3.1	15
23	Growth and characterization of Mn- and Co-doped ZnO nanowires. Mikrochimica Acta, 2006, 156, 21-25.	5.0	14
24	Magnetic and structural properties of transition metal doped zinc oxide nanostructures. Physica Status Solidi (B): Basic Research, 2009, 246, 766-770.	1.5	10
25	Damp Heat Treatment of Cu(In,Ga)Se ₂ Solar Cells with Different Sodium Content. Materials, 2013, 6, 5478-5489.	2.9	10
26	Pulsed laser deposition of Fe- and Fe, Cu-doped ZnO thin films. Annalen Der Physik, 2004, 13, 57-58.	2.4	4
27	Growth and Characterization of ZnO Nano- and Microstructures. , 2008, , 293-323.		3
28	Growth Evolution and Characterization of PLD Zn(Mg)O Nanowire Arrays. , 2008, , 113-125.		3
29	Optical Resonances Of Single Zinc Oxide Microcrystals. AIP Conference Proceedings, 2005, , .	0.4	2
30	Growth and Characterization of Optical and Electrical Properties of ZnO Nano- and Microwires. Materials Research Society Symposia Proceedings, 2006, 957, 1.	0.1	1
31	Latest results of the German joint project “flexible CIGSe thin film solar cells for space applications”. , 2010, , .		1
32	Whispering Gallery Modes in Hexagonal Zinc Oxide Micro- and Nanocrystals. , 2005, , 83-98.		1