

# Andreas Rahm

## List of Publications by Citations

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32

papers

1,751

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ext. papers

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ext. citations

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avg, IF

3.56

L-index

#	Paper	IF	Citations
32	High electron mobility of epitaxial ZnO thin films on c-plane sapphire grown by multistep pulsed-laser deposition. <i>Applied Physics Letters</i> , <b>2003</b> , 82, 3901-3903	3.4	539
31	Whispering gallery modes in nanosized dielectric resonators with hexagonal cross section. <i>Physical Review Letters</i> , <b>2004</b> , 93, 103903	7.4	270
30	Dielectric functions (1 to 5 eV) of wurtzite Mg <sub>x</sub> Zn <sub>1-x</sub> O (x>0.29) thin films. <i>Applied Physics Letters</i> , <b>2003</b> , 82, 2260-2262	3.4	157
29	Optical and electrical properties of epitaxial (Mg,Cd) <sub>x</sub> Zn <sub>1-x</sub> O, ZnO, and ZnO:(Ga,Al) thin films on c-plane sapphire grown by pulsed laser deposition. <i>Solid-State Electronics</i> , <b>2003</b> , 47, 2205-2209	1.7	130
28	Phosphorus acceptor doped ZnO nanowires prepared by pulsed-laser deposition. <i>Nanotechnology</i> , <b>2007</b> , 18, 455707	3.4	96
27	Spatially Inhomogeneous Impurity Distribution in ZnO Micropillars. <i>Nano Letters</i> , <b>2004</b> , 4, 797-800	11.5	74
26	Whispering gallery modes in zinc oxide micro- and nanowires. <i>Physica Status Solidi (B): Basic Research</i> , <b>2010</b> , 247, 1282-1293	1.3	66
25	Ordered growth of tilted ZnO nanowires: morphological, structural and optical characterization. <i>Nanotechnology</i> , <b>2007</b> , 18, 195303	3.4	42
24	Self-organized growth of ZnO-based nano- and microstructures. <i>Physica Status Solidi (B): Basic Research</i> , <b>2010</b> , 247, 1265-1281	1.3	38
23	Two-dimensional ZnO:Al nanosheets and nanowalls obtained by Al <sub>2</sub> O <sub>3</sub> -assisted carbothermal evaporation. <i>Thin Solid Films</i> , <b>2005</b> , 486, 191-194	2.2	34
22	Pulsed-laser deposition and characterization of ZnO nanowires with regular lateral arrangement. <i>Applied Physics A: Materials Science and Processing</i> , <b>2007</b> , 88, 31-34	2.6	30
21	Infrared dielectric function and phonon modes of Mg-rich cubic Mg <sub>x</sub> Zn <sub>1-x</sub> O(x>0.67) thin films on sapphire (0001). <i>Applied Physics Letters</i> , <b>2004</b> , 85, 905-907	3.4	29
20	High electron mobility of phosphorous-doped homoepitaxial ZnO thin films grown by pulsed-laser deposition. <i>Journal of Applied Physics</i> , <b>2008</b> , 104, 013708	2.5	27
19	Electrical properties of ZnO thin films and optical properties of ZnO-based nanostructures. <i>Superlattices and Microstructures</i> , <b>2005</b> , 38, 317-328	2.8	25
18	EPR study on magnetic Zn <sub>1-x</sub> Mn <sub>x</sub> O. <i>Superlattices and Microstructures</i> , <b>2005</b> , 38, 413-420	2.8	23
17	Optical whispering gallery modes in dodecagonal zinc oxide microcrystals. <i>Superlattices and Microstructures</i> , <b>2007</b> , 42, 333-336	2.8	22
16	Homoepitaxial ZnO thin films by PLD: Structural properties. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2008</b> , 5, 3280-3287	2.2	

## LIST OF PUBLICATIONS

15	Low temperature photoluminescence and infrared dielectric functions of pulsed laser deposited ZnO thin films on silicon. <i>Thin Solid Films</i> , <b>2006</b> , 496, 234-239	2.2	20
14	Magnetoresistance in pulsed laser deposited 3d transition metal doped ZnO films. <i>Thin Solid Films</i> , <b>2006</b> , 515, 2549-2554	2.2	18
13	ZnO based planar and micropillar resonators. <i>Superlattices and Microstructures</i> , <b>2007</b> , 41, 360-363	2.8	15
12	A zinc oxide microwire laser. <i>Superlattices and Microstructures</i> , <b>2007</b> , 41, 347-351	2.8	15
11	Growth of highly oriented graphite films at room temperature by pulsed laser deposition using carbon&furan targets. <i>Carbon</i> , <b>2006</b> , 44, 3064-3072	10.4	14
10	Growth and characterization of Mn- and Co-doped ZnO nanowires. <i>Mikrochimica Acta</i> , <b>2006</b> , 156, 21-25	5.8	13
9	Magnetic and structural properties of transition metal doped zinc-oxide nanostructures. <i>Physica Status Solidi (B): Basic Research</i> , <b>2009</b> , 246, 766-770	1.3	10
8	Damp Heat Treatment of Cu(In,Ga)Se <sub>2</sub> Solar Cells with Different Sodium Content. <i>Materials</i> , <b>2013</b> , 6, 5478-5489	3.5	8
7	Pulsed laser deposition of Fe- and Fe, Cu-doped ZnO thin films. <i>Annalen Der Physik</i> , <b>2004</b> , 13, 57-58	2.6	4
6	Growth Evolution and Characterization of PLD Zn(Mg)O Nanowire Arrays <b>2008</b> , 113-125		3
5	Growth and Characterization of ZnO Nano- and Microstructures <b>2008</b> , 293-323		2
4	Optical Resonances Of Single Zinc Oxide Microcrystals. <i>AIP Conference Proceedings</i> , <b>2005</b> ,	0	2
3	Latest results of the German joint project Flexible CIGSe thin film solar cells for space applications <b>2010</b> ,		1
2	Growth and Characterization of Optical and Electrical Properties of ZnO Nano- and Microwires. <i>Materials Research Society Symposia Proceedings</i> , <b>2006</b> , 957, 1		1
1	Whispering Gallery Modes in Hexagonal Zinc Oxide Micro- and Nanocrystals <b>2005</b> , 83-98		1