List of Publications by Year in descending order

30 papers	1,074 citations	516215 16 h-index	454577 30 g-index
30 all docs	30 docs citations	30 times ranked	1409 citing authors

#	Article	IF	Citations
1	Probing the cellular damage in bacteria induced by GaN nanoparticles using confocal laser Raman spectroscopy. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	16
2	Raoultâ€™s Formalism in Understanding Low-Temperature Growth of GaN Nanowires Using Binary Precursor. Journal of Physical Chemistry C, 2013, 117, 21930-21935.	1.5	6
3	Influence of oxygen in architecting large scale nonpolar GaN nanowires. Journal of Materials Chemistry C, 2013, 1, 8086.	2.7	22
4	Room temperature H2 sensing using functionalized GaN nanotubes with ultra low activation energy. International Journal of Hydrogen Energy, 2013, 38, 3513-3520.	3.8	35
5	Morphology of InN nanorods using spectroscopic Raman imaging. Journal of Raman Spectroscopy, 2013, 44, 791-794.	1.2	15
6	Probing crystallographic orientation of a single GaN nanotube using polarized Raman imaging. Journal of Raman Spectroscopy, 2013, 44, 651-654.	1.2	13
7	Photo-induced tunable local oxidation and fragmentation in Pt ultra-nanoclusters functionalized GaN nanotubes. Journal of Nanoparticle Research, 2012, 14, 1.	0.8	3
8	Role of Surface Polarity in Self-Catalyzed Nucleation and Evolution of GaN Nanostructures. Crystal Growth and Design, 2012, 12, 2375-2381.	1.4	32
9	Resonant exciton-phonon coupling in ZnO nanorods at room temperature. AIP Advances, 2011, 1, 032135.	0.6	7
10	Surface optical modes in GaN nanowires. International Journal of Nanotechnology, 2010, 7, 823.	0.1	39
11	Focused Ion Beam Induced Nanojunction and Defect Doping as a Building Block for Nanoscale Electronics in GaN Nanowires. Journal of Physical Chemistry C, 2010, 114, 15260-15265.	1.5	7
12	Mechanism of bright red emission in Si nanoclusters. Nanotechnology, 2008, 19, 395401.	1.3	21
13	Multiphonon Raman scattering in GaN nanowires. Applied Physics Letters, 2007, 90, 213104.	1.5	49
14	Formation, Dynamics, and Characterization of Nanostructures by Ion Beam Irradiation. Critical Reviews in Solid State and Materials Sciences, 2007, 32, 1-50.	6.8	71
15	Nitrogen ion beam synthesis of InN in InP(100) at elevated temperature. Applied Physics Letters, 2006, 88, 241904.	1.5	6
16	Formation andin situdynamics of metallic nanoblisters in Ga+implanted GaN nanowires. Nanotechnology, 2005, 16, 2764-2769.	1.3	9
17	Mechanism of nanoblister formation in Ga+ self-ion implanted GaN nanowires. Applied Physics Letters, 2005, 86, 203119.	1.5	21
18	Optical characterization of GaN by N+ implantation into GaAs at elevated temperature. Applied Physics Letters, 2005, 87, 261915.	1.5	15

#	Article	IF	Citations
19	Ion-beam mixing in an immiscible Fe/Ag multilayer film. Journal of Applied Physics, 2004, 95, 5295-5300.	1.1	10
20	Blueshift of yellow luminescence band in self-ion-implanted n-GaN nanowire. Applied Physics Letters, 2004, 84, 3486-3488.	1.5	33
21	Hexagonal-to-cubic phase transformation in GaN nanowires by Ga+ implantation. Applied Physics Letters, 2004, 84, 5473-5475.	1.5	38
22	Comment on â€œGold nanowires from silicon nanowire templatesâ€•[Appl. Phys. Lett. 84, 407 (2004)]. Applied Physics Letters, 2004, 85, 692-692.	1.5	2
23	Nanohomojunction (GaN) and Nanoheterojunction (InN) Nanorods on One-Dimensional GaN Nanowire Substrates. Advanced Functional Materials, 2004, 14, 233-237.	7.8	68
24	Quasiquenching size effects in gold nanoclusters embedded in silica matrix. Chemical Physics Letters, 2003, 370, 254-260.	1.2	30
25	Interface energy of Au7Si grown in the interfacial layer of truncated hexagonal dipyramidal Au nanoislands on polycrystalline-silicon. Applied Physics Letters, 2003, 82, 4468-4470.	1.5	11
26	Enhanced dynamic annealing in Ga+ ion-implanted GaN nanowires. Applied Physics Letters, 2003, 82, 451-453.	1.5	63
27	Growth and Optical Properties of Self-Organized Au2Si Nanospheres Pea-Podded in a Silicon Oxide Nanowire. Advanced Materials, 2002, 14, 1847-1850.	11.1	63
28	Electrical transport studies of Ag nanoclusters embedded in glass matrix. Physica B: Condensed Matter, 2001, 299, 142-146.	1.3	344
29	A novel route of synthesis of aluminium nano-aggregates: an ion beam modification in metal-organic complex. Journal Physics D: Applied Physics, 2001, 34, 243-247.	1.3	2
30	Fractal nature ofÏ€-bonded nanocrystalline clusters: AN+beam-induced phenomenon in poly(2,6-dimethyl-1,4-phenylene oxide). Physical Review B, 1999, 59, 11069-11076.	1.1	23