Congkang Xu

List of Publications by Year
in descending order

27 papers	510 citations	933447 10 h-index	677142 22 g-index
27 all docs	27 docs citations	27 times ranked	624 citing authors

#	Article	IF	Citations
1	Understanding the kinetics of Fe subsurface dissolution and surface segregation upon annealing Fe on Pd(111) in vacuum/oxygen environment. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	2.3	3
2	Ultrathin flexible linear-piezoelectric ZnO thin film actuators: Tuning the piezoelectric responses by in-plane epitaxial strain. Applied Surface Science, 2022, 599, 153969.	6.1	10
3	Equilibrium segregation in the stressed Ni(111)(Au) nano-films on inert substrate. Journal of Materials Science, 2021, 56, 6217-6226.	3.7	4
4	Grain boundary diffusion in bilayered Ag/Cu thin film under diffusion-induced and intrinsic stresses. Physica Scripta, 2021, 96, 055706.	2.5	1
5	A Model for Adsorption and Diffusion in Water Vapor Barrier Films. Physica Status Solidi (B): Basic Research, 2021, 258, 2000609.	1.5	10
6	Kinetics of surface and interface segregation in stressed nano-films on inert substrate. Journal of Applied Physics, 2021, 129, 185305.	2.5	1
7	Quantification of High Resolution Pulsed RF GDOES Depth Profiles for Mo/B4C/Si Nano-Multilayers. Coatings, 2021, 11, 612.	2.6	2
8	Towards high-performance linear piezoelectrics: Enhancing the piezoelectric response of zinc oxide thin films through epitaxial growth on flexible substrates. Applied Surface Science, 2021, 556, 149798.	6.1	9
9	Thermodynamics and kinetics of surface/interface segregation in the stressed ultrathin alloy film on inert substrate. Applied Surface Science, 2021, 562, 150050.	6.1	0
10	Growth of c-plane and m-plane aluminium-doped zinc oxide thin films: epitaxy on flexible substrates with cubic-structure seeds. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2020, 76, 233-240.	1.1	5
11	Mediated ferromagnetism in ZnO nanorods with heavily codoped MnFe. AIP Advances, 2020, 10, 055019.	1.3	2
12	Controllable lateral growth and electrical properties of nonpolar ZnO nanowires. AIP Advances, 2020, 10, .	1.3	0
13	Monotectic growth evolution and raman scattering of self-assembled ZnO hierarchical micro-nanostructures. Materials Research Express, 2020, 7, 025014.	1.6	0
14	Inkjet printing of palladium source and drain electrodes on individual single-wall carbon nanotubes to fabricate field effect transistors. RSC Advances, 2013, 3, 23658.	3.6	1
15	Low-Temperature Solution Synthesis of Zinc Oxide Nanotubes. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2013, 43, 1501-1505.	0.6	0
16	Vertically aligned ZnO nanodisks and their uses in bulk heterojunction solar cells. Journal of Renewable and Sustainable Energy, 2010, 2, 053101.	2.0	6
17	Cu-doping induced ferromagnetism in ZnO nanowires. Journal of Chemical Physics, 2009, 130, 124711.	3.0	24
18	Electrical properties and near band edge emission of Bi-doped ZnO nanowires. Applied Physics Letters, 2007, 90, 083113.	3.3	52

#	Article	IF	Citations
19	Electrical Behavior of Ferromagnetic BiMn-Codoped ZnO Bicrystal Nanobelts to Pt Contacts. Journal of Physical Chemistry C, 2007, 111, 12490-12494.	3.1	11
20	Temperature-Controlled Growth of ZnO Nanowires and Nanoplates in the Temperature Range 250â^'300 Â°C. Journal of Physical Chemistry B, 2006, 110, 21741-21746.	2.6	33
21	Ferromagnetic ZnO bicrystal nanobelts fabricated in low temperature. Applied Physics Letters, 2006, 89, 093117.	3.3	19
22	Fabrication and photoluminescence of ZnO hierarchical nanostructures containing Bi2O3. Nanotechnology, 2006, 17, 60-64.	2.6	21
23	The selectively manipulated growth of crystalline ZnO nanostructures. Nanotechnology, 2005, 16, 2104-2110.	2.6	17
24	Doping of Si into GaN Nanowires and Optical Properties of Resulting Composites. Journal of Nanoscience and Nanotechnology, 2005, 5, 530-535.	0.9	15
25	Low-temperature (â^¼250Â°C) route to lateral growth of ZnO nanowires. Applied Physics Letters, 2005, 87, 253104.	3.3	24
26	The growth and optical properties of ZnO nanowires at the junctions of nanowalls. Solid State Communications, 2004, 132, 837-840.	1.9	20
27	A simple and novel route for the preparation of ZnO nanorods. Solid State Communications, 2002, 122, 175-179.	1.9	220