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## MorphologyFunction Relationship of ZnO: Polar Planes, Oxygen Vacancies, and Activity

DOI: 10.1021/jp8038626

Journal of Physical Chemistry C, 2008, 112, 11859-11864.

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**Version:** 2024-04-27

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287	Trimethylphosphine-Assisted Surface Fingerprinting of Metal Oxide Nanoparticle by <sup>31</sup> P Solid-State NMR: A Zinc Oxide Case Study.		
286	Combined polarized Raman and atomic force microscopy: In situ study of point defects and mechanical properties in individual ZnO nanobelts. <b>2009</b> , 95, 051904		25
285	Controlled synthesis of ZnO with adjustable morphologies from nanosheets to microspheres. <b>2009</b> , 348, 124-129		21
284	ZnO with Different Morphologies Synthesized by Solvothermal Methods for Enhanced Photocatalytic Activity. <b>2009</b> , 21, 2875-2885		391
283	Shape and size effects of ZnO nanocrystals on photocatalytic activity. <b>2009</b> , 131, 12540-1		899
282	Formation and photocatalytic application of ZnO nanotubes using aqueous solution. <b>2010</b> , 26, 2811-5		222
281	Morphology-dependent gas-sensing properties of ZnO nanostructures for chlorophenol. <b>2010</b> , 5, 1854-9		40
280	Synthesis of High Surface Area ZnO(0001) Plates as Novel Oxide Supports for Heterogeneous Catalysts. <b>2010</b> , 139, 26-32		17
279	Fabrication of flower-like ZnO microstructures from ZnO nanorods and their photoluminescence properties. <i>Materials Chemistry and Physics</i> , <b>2010</b> , 124, 406-412	4.4	43
278	Studies on the evolution of ZnO morphologies in a thermohydrolysis technique and evaluation of their functional properties. <i>Journal of Hazardous Materials</i> , <b>2010</b> , 175, 889-95	12.8	35
277	ZnO nanostructures for optoelectronics: Material properties and device applications. <b>2010</b> , 34, 191-259		788
276	Room-temperature deposition of crystalline patterned ZnO films by confined dewetting lithography. <i>Applied Surface Science</i> , <b>2010</b> , 256, 3386-3389	6.7	11
275	Growth direction and morphology of ZnO nanobelts revealed by combining in situ atomic force microscopy and polarized Raman spectroscopy. <b>2010</b> , 81,		28
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271	Enhancement of visible light photocatalysis by grafting ZnO nanoplatelets with exposed (0001) facets onto a hierarchical substrate. <b>2011</b> , 47, 10797-9		81

270	Synthesis of highly-transparent Al-doped ZnO porous network thin films. <b>2011</b> , 13, 2661		14
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268	Controllable ZnO Architectures by Ethanolamine-Assisted Hydrothermal Reaction for Enhanced Photocatalytic Activity. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 2769-2775	3.8	164
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263	Enhancement of oxygen vacancies and solar photocatalytic activity of zinc oxide by incorporation of nonmetal. <b>2011</b> , 184, 3273-3279		56
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248	In situ generation of well-dispersed ZnO quantum dots on electrospun silica nanotubes with high photocatalytic activity. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 785-90	9.5	54
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