Dongliang Yu

List of Publications by Year
in descending order

25 papers	925 citations	516710 16 h-index	580821 25 g-index
25 all docs	25 docs citations	25 times ranked	1054 citing authors

#	Article	IF	Citations
1	Light Management with Nanostructures for Optoelectronic Devices. Journal of Physical Chemistry Letters, 2014, 5, 1479-1495.	4.6	147
2	Facile Method to Enhance the Adhesion of TiO₂ Nanotube Arrays to Ti Substrate. ACS Applied Materials & Interfaces, 2014, 6, 8001-8005.	8.0	138
3	A novel nanostructure fabricated by an improved two-step anodizing technology. Electrochemistry Communications, 2013, 29, 71-74.	4.7	100
4	Theoretical derivation of anodizing current and comparison between fitted curves and measured curves under different conditions. Nanotechnology, 2015, 26, 145603.	2.6	83
5	Dual-Layer Nanostructured Flexible Thin-Film Amorphous Silicon Solar Cells with Enhanced Light Harvesting and Photoelectric Conversion Efficiency. ACS Applied Materials & Interfaces, 2016, 8, 10929-10936.	8.0	57
6	Light Propagation in Flexible Thin-Film Amorphous Silicon Solar Cells with Nanotextured Metal Back Reflectors. ACS Applied Materials & Interfaces, 2020, 12, 26184-26192.	8.0	49
7	Fabrication of ordered porous anodic alumina with ultra-large interpore distances using ultrahigh voltages. Materials Research Bulletin, 2014, 57, 116-120.	5.2	41
8	A Mathematical Model for the Growth of Anodic TiO₂Nanotubes under Higher Current Density. Journal of the Electrochemical Society, 2017, 164, E401-E407.	2.9	32
9	Growth of anodic TiO2 nanotubes in mixed electrolytes and novel method to extend nanotube diameter. Electrochimica Acta, 2015, 160, 33-42.	5.2	31
10	Highâ€Performance and Omnidirectional Thinâ€Film Amorphous Silicon Solar Cell Modules Achieved by 3D Geometry Design. Advanced Materials, 2015, 27, 6747-6752.	21.0	29
11	Waferâ€Scale Highly Ordered Anodic Aluminum Oxide by Soft Nanoimprinting Lithography for Optoelectronics Light Management. Advanced Materials Interfaces, 2017, 4, 1601116.	3.7	27
12	Efficient suppression of nanograss during porous anodic TiO 2 nanotubes growth. Applied Surface Science, 2014, 314, 505-509.	6.1	24
13	Morphological evolution of TiO2 nanotube arrays with lotus-root-shaped nanostructure. Applied Surface Science, 2013, 276, 711-716.	6.1	23
14	A novel nanostructure with hexagonal-prism pores fabricated under vacuum circumstance. Materials Research Bulletin, 2014, 50, 209-212.	5.2	20
15	Influence of anodizing voltage mode on the nanostructure of TiO2 nanotubes. Journal of Solid State Electrochemistry, 2014, 18, 141-148.	2.5	19
16	Effective approach to strengthening TiO2 nanotube arrays by using double or triple reinforcements. Applied Surface Science, 2015, 346, 172-176.	6.1	17
17	Fabrication of bundle-free TiO2 nanotube arrays with wide open top via a modified two-step anodization process. Materials Letters, 2013, 109, 211-213.	2.6	16
18	Fabrication of large diameter TiO 2 nanotubes for improved photoelectrochemical performance. Materials Research Bulletin, 2014, 60, 348-352.	5.2	15

#	Article	IF	Citations
19	Simulation of anodizing current-time curves and morphology evolution of TiO2 nanotube arrays. Journal of Solid State Electrochemistry, 2014, 18, 2609-2617.	2.5	13
20	Effect of water content on ionic current, electronic current, and nanotube morphology in Ti anodizing process. Journal of Solid State Electrochemistry, 2015, 19, 1403-1409.	2.5	13
21	Formation mechanism of anodic titanium oxide in mixed electrolytes. Materials Research Bulletin, 2017, 95, 539-545.	5.2	12
22	Templated deposition of multiscale periodic metallic nanodot arrays with sub-10 nm gaps on rigid and flexible substrates. Nanotechnology, 2014, 25, 465303.	2.6	5
23	Silicon Solar Cells: Highâ€Performance and Omnidirectional Thinâ€Film Amorphous Silicon Solar Cell Modules Achieved by 3D Geometry Design (Adv. Mater. 42/2015). Advanced Materials, 2015, 27, 6768-6768.	21.0	5
24	Improved growth rate of anodized TiO2 nanotube arrays under reduced pressure field and light illumination. Science Bulletin, 2017, 62, 332-338.	9.0	5
25	Optoelectronic Devices: Waferâ€Scale Highly Ordered Anodic Aluminum Oxide by Soft Nanoimprinting Lithography for Optoelectronics Light Management (Adv. Mater. Interfaces 5/2017). Advanced Materials Interfaces, 2017, 4, .	3.7	4