Cho Tung Yip

List of Publications by Year
in descending order

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24 papers	1,766 citations	430442 18 h-index	794141 19 g-index
24 all docs	24 docs citations	24 times ranked	2783 citing authors

#	Article	IF	Citations
1	Metallated conjugated polymers as a new avenue towards high-efficiency polymer solar cells. Nature Materials, 2007, 6, 521-527.	13.3	555
2	Tuning the Absorption, Charge Transport Properties, and Solar Cell Efficiency with the Number of Thienyl Rings in Platinum-Containing Poly(aryleneethynylene)s. Journal of the American Chemical Society, 2007, 129, 14372-14380.	6.6	243
3	Hydrogenated TiO₂ Nanotube Arrays as Highâ€Rate Anodes for Lithiumâ€Ion Microbatteries. ChemPlusChem, 2012, 77, 991-1000.	1.3	150
4	Direct and Seamless Coupling of TiO₂ Nanotube Photonic Crystal to Dyeâ€Sensitized Solar Cell: A Singleâ€Step Approach. Advanced Materials, 2011, 23, 5624-5628.	11.1	145
5	Design and coupling of multifunctional TiO2 nanotube photonic crystal to nanocrystalline titania layer as semi-transparent photoanode for dye-sensitized solar cell. Energy and Environmental Science, 2012, 5, 9881.	15.6	130
6	Dye-sensitized solar cells using ZnO tetrapods. Journal of Applied Physics, 2008, 103, 083114.	1.1	77
7	High Temperature Crystallization of Freeâ€Standing Anatase TiO₂ Nanotube Membranes for High Efficiency Dyeâ€Sensitized Solar Cells. Advanced Functional Materials, 2013, 23, 5952-5960.	7.8	73
8	Titania-nanotube-array-based photovoltaic cells. Applied Physics Letters, 2006, 89, 023508.	1.5	64
9	Long K-Doped Titania and Titanate Nanowires on Ti Foil and FTO/Quartz Substrates for Solar-Cell Applications. Advanced Functional Materials, 2007, 17, 555-562.	7.8	57
10	Layer-by-Layer Deposition of Rhenium-Containing Hyperbranched Polymers and Fabrication of Photovoltaic Cells. Chemistry - A European Journal, 2007, 13, 328-335.	1.7	43
11	Open-ended TiO₂nanotubes formed by two-step anodization and their application in dye-sensitized solar cells. Nanoscale, 2012, 4, 448-450.	2.8	42
12	Dye-sensitized solar cells based on TiO2 nanotube/porous layer mixed morphology. Applied Physics A: Materials Science and Processing, 2008, 92, 589-593.	1.1	33
13	Photoelectric response of Schottky barrier in La0.7Ca0.3MnO3âˆ•Nb:SrTiO3 heterojunctions. Applied Physics Letters, 2008, 92, .	1.5	28
14	GaN-nanowire-based dye-sensitized solar cells. Applied Physics A: Materials Science and Processing, 2010, 100, 15-19.	1.1	26
15	Photoluminescence enhancement in few-layer WS2 films via Au nanoparticles. AIP Advances, 2015, 5, .	0.6	25
16	On the efficiency of polymer solar cells. Nature Materials, 2007, 6, 704-705.	13.3	24
17	Strong competition between electromagnetic enhancement and surface-energy-transfer induced quenching in plasmonic dye-sensitized solar cells: A generic yet controllable effect. Nano Energy, 2016, 26, 297-304.	8.2	23
18	Approach to solving spin-boson dynamics via non-Markovian quantum trajectories. Physical Review A, 2014, 90, .	1.0	21

#	Article	IF	Citations
19	Efficiency enhancement for ZnO tetrapod dye-sensitized solar cells by TiO<inf>2</inf> coating and ammonium treatment. , 2008, , .		2
20	Core-shell ZnO solar cell application. , 2010, , .		2
21	Photovoltaic Devices: Direct and Seamless Coupling of TiO2 Nanotube Photonic Crystal to Dye-Sensitized Solar Cell: A Single-Step Approach (Adv. Mater. 47/2011). Advanced Materials, 2011, 23, 5623-5623.	11.1	2
22	Surface modification of TiO<inf>2</inf> and ZnO nanosurfaces and applications. , 2010, , .		1
23	Titania nanotube array based photovoltaic cells. Proceedings of SPIE, 2007, , .	0.8	0
24	Effect of fabrication processes on bulk heterojunctions (BHJ) photovoltaic device performance. Proceedings of SPIE, 2009, , .	0.8	0