

Keiko Waki

List of Publications by Year in descending order

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29
papers

727
citations

623734

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30
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docs citations

30
times ranked

1341
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-nitrogen doped and non-metal oxygen reduction electrocatalysts based on carbon nanotubes: mechanism and origin of ORR activity. <i>Energy and Environmental Science</i> , 2014, 7, 1950-1958.	30.8	123
2	Structurally Tuning Li_2O_2 by Controlling the Surface Properties of Carbon Electrodes: Implications for Li-O_2 Batteries. <i>Chemistry of Materials</i> , 2016, 28, 8006-8015.	6.7	86
3	Nano-drilled multiwalled carbon nanotubes: characterizations and application for LIB anode materials. <i>Journal of Materials Chemistry</i> , 2012, 22, 25167.	6.7	83
4	Critically Examining the Role of Nanocatalysts in Li-O_2 Batteries: Viability toward Suppression of Recharge Overpotential, Rechargeability, and Cyclability. <i>ACS Energy Letters</i> , 2018, 3, 592-597.	17.4	82
5	Electrochemical and structural analysis of Al-doped ZnO nanorod arrays in dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2012, 214, 159-165.	7.8	47
6	Aqueous solution-processed off-stoichiometric CuInS QDs and their application in quantum dot-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2018, 6, 9629-9641.	10.3	40
7	Impacts of structure defects and carboxyl and carbonyl functional groups on the work function of multiwalled carbon nanotubes. <i>Carbon</i> , 2017, 114, 526-532.	10.3	33
8	Boron and Nitrogen Co-doped Graphene Used As Counter Electrode for Iodine Reduction in Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2018, 122, 26385-26392.	3.1	31
9	Fabrication and Characterization of Multiwalled Carbon Nanotubes-Supported Pt-SnO_x Nanocomposites as Catalysts for Electro-oxidation of Methanol. <i>Journal of the Electrochemical Society</i> , 2007, 154, A207.	2.9	29
10	The Effect of O-Functionalities for the Electrochemical Reduction of Oxygen on MWCNTs in Acid Media. <i>Electrochemical and Solid-State Letters</i> , 2010, 13, F7.	2.2	26
11	Oxygen reduction characteristics of bamboo-shaped, multi-walled carbon nanotubes without nitrogen in acid media. <i>Electrochimica Acta</i> , 2010, 55, 9166-9173.	5.2	21
12	Crystal Defects on Multi-Walled Carbon Nanotubes by Cobalt Oxide. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 2375-2380.	0.9	20
13	An activity recoverable carbon nanotube based electrocatalysts: Rapid annealing effects and importance of defects. <i>Carbon</i> , 2018, 129, 119-127.	10.3	18
14	Aqueous synthesis of Mn-doped CuInSe_2 quantum dots to enhance the performance of quantum dot sensitized solar cells. <i>Dalton Transactions</i> , 2019, 48, 16115-16122.	3.3	17
15	Self-Organized Pt-SnO_2 Electrocatalysts on Multiwalled Carbon Nanotubes. <i>Electrochemical and Solid-State Letters</i> , 2005, 8, A489.	2.2	15
16	In Situ Microwave-Assisted Fabrication of Hierarchically Arranged Metal Sulfide Counter Electrodes to Boost Stability and Efficiency of Quantum Dot-Sensitized Solar Cells. <i>Advanced Materials Interfaces</i> , 2019, 6, 1801745.	3.7	10
17	Understanding the redox reactions of adjacent carboxyl groups and anhydride groups following citric acid treatment of defect-containing multiwalled carbon nanotubes. <i>Electrochemistry Communications</i> , 2018, 91, 25-30.	4.7	8
18	A Simple Method to Controllably Coat Crystalline SnO_2 Nanoparticles on Multiwalled Carbon Nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 366-370.	0.9	7

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19	MAPbI ₃ Self-Recrystallization Induced Performance Improvement for Oxygen-Containing Functional Groups Decorated Carbon Nanotube-Based Perovskite Solar Cells. Solar Rrl, 2019, 3, 1900302.	5.8	7
20	Enhancement of Ethanol Electro-Oxidation Activities on Pt/Natural Zeolite Catalysts. Electrochemistry, 2011, 79, 367-370.	1.4	6
21	The influence of carboxyl group on nitrogen doping for defective carbon nanotubes toward oxygen reduction reaction. Carbon, 2022, 189, 369-376.	10.3	5
22	Exploring Active Sites in Nitrogen Doped Carbon Nanotube Based Electrocatalyst. ECS Transactions, 2017, 80, 801-806.	0.5	2
23	Effect of Additives on the Trap State Distribution of TiO ₂ Anode in Dye-Sensitized Solar Cells. ECS Transactions, 2017, 80, 1127-1136.	0.5	2
24	The Effect of Oxidation Temperature for the Oxygen Reduction Reaction Activity of Defective Multi-Walled Carbon Nanotubes (MWCNT). ECS Transactions, 2017, 80, 677-684.	0.5	2
25	Electrochemical analysis of dye sensitized solar cell employing indoline-based and ruthenium-based dye combined with volatile and low-volatility solution-based electrolyte. Journal of Materials Science: Materials in Electronics, 2018, 29, 19245-19255.	2.2	2
26	Understanding Degradation and Active Sites in Nitrogen-Doped Carbon Nanotube-Based Electrocatalysts. Journal of the Electrochemical Society, 2019, 166, F114-F119.	2.9	2
27	Photoelectrochemical water splitting properties of a vertically aligned ZnO nanosheet. AIP Conference Proceedings, 2021, , .	0.4	1
28	Quantum Dot-Sensitized Solar Cells: In Situ Microwave-Assisted Fabrication of Hierarchically Arranged Metal Sulfide Counter Electrodes to Boost Stability and Efficiency of Quantum Dot-Sensitized Solar Cells (Adv. Mater. Interfaces 5/2019). Advanced Materials Interfaces, 2019, 6, 1970032.	3.7	0
29	Study on the Oxygen Reduction Reaction Activity Induced By Quick Oxidation of Carbon Nanotube. ECS Meeting Abstracts, 2021, MA2021-02, 1972-1972.	0.0	0