Keiko Waki

List of Publications by Year
in descending order

29 papers	727 citations	623734 14 h-index	526287 27 g-index
30 all docs	30 docs citations	30 times ranked	1341 citing authors

#	Article	IF	Citations
1	The influence of carboxyl group on nitrogen doping for defective carbon nanotubes toward oxygen reduction reaction. Carbon, 2022, 189, 369-376.	10.3	5
2	Photoelectrochemical water splitting properties of a vertically aligned ZnO nanosheet. AIP Conference Proceedings, 2021, , .	0.4	1
3	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
4	MAPbI₃ Selfâ€Recrystallization Induced Performance Improvement for Oxygenâ€Containing Functional Groups Decorated Carbon Nanotubeâ€Based Perovskite Solar Cells. Solar Rrl, 2019, 3, 1900302.	5.8	7
5	Understanding Degradation and Active Sites in Nitrogen-Doped Carbon Nanotube-Based Electrocatalysts. Journal of the Electrochemical Society, 2019, 166, F114-F119.	2.9	2
6	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
7	Aqueous synthesis of Mn-doped CuInSe₂ quantum dots to enhance the performance of quantum dot sensitized solar cells. Dalton Transactions, 2019, 48, 16115-16122.	3.3	17
8	In Situ Microwaveâ€Assisted Fabrication of Hierarchically Arranged Metal Sulfide Counter Electrodes to Boost Stability and Efficiency of Quantum Dotâ€Sensitized Solar Cells. Advanced Materials Interfaces, 2019, 6, 1801745.	3.7	10
9	Aqueous solution-processed off-stoichiometric Cuâ€“Inâ€“S QDs and their application in quantum dot-sensitized solar cells. Journal of Materials Chemistry A, 2018, 6, 9629-9641.	10.3	40
10	Critically Examining the Role of Nanocatalysts in Liâ€“O₂ Batteries: Viability toward Suppression of Recharge Overpotential, Rechargeability, and Cyclability. ACS Energy Letters, 2018, 3, 592-597.	17.4	82
11	An activity recoverable carbon nanotube based electrocatalysts: Rapid annealing effects and importance of defects. Carbon, 2018, 129, 119-127.	10.3	18
12	Understanding the redox reactions of adjacent carboxyl groups and anhydride groups following citric acid treatment of defect-containing multiwalled carbon nanotubes. Electrochemistry Communications, 2018, 91, 25-30.	4.7	8
13	Boron and Nitrogen Co-doped Graphene Used As Counter Electrode for Iodine Reduction in Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2018, 122, 26385-26392.	3.1	31
14	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
15	Impacts of structure defects and carboxyl and carbonyl functional groups on the work function of multiwalled carbon nanotubes. Carbon, 2017, 114, 526-532.	10.3	33
16	Exploring Active Sites in Nitrogen Doped Carbon Nanotube Based Electrocatalyst. ECS Transactions, 2017, 80, 801-806.	0.5	2
17	Effect of Additives on the Trap State Distribution of TiO2Anode in Dye-Sensitized Solar Cells. ECS Transactions, 2017, 80, 1127-1136.	0.5	2
18	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

#	Article	IF	Citations
19	Structurally Tuning Li₂O₂ by Controlling the Surface Properties of Carbon Electrodes: Implications for Liâ€“O₂ Batteries. Chemistry of Materials, 2016, 28, 8006-8015.	6.7	86
20	Non-nitrogen doped and non-metal oxygen reduction electrocatalysts based on carbon nanotubes: mechanism and origin of ORR activity. Energy and Environmental Science, 2014, 7, 1950-1958.	30.8	123
21	Electrochemical and structural analysis of Al-doped ZnO nanorod arrays inÂdye-sensitized solar cells. Journal of Power Sources, 2012, 214, 159-165.	7.8	47
22	Nano-drilled multiwalled carbon nanotubes: characterizations and application for LIB anode materials. Journal of Materials Chemistry, 2012, 22, 25167.	6.7	83
23	Enhancement of Ethanol Electro-Oxidation Activities on Pt/Natural Zeolite Catalysts. Electrochemistry, 2011, 79, 367-370.	1.4	6
24	Oxygen reduction characteristics of bamboo-shaped, multi-walled carbon nanotubes without nitrogen in acid media. Electrochimica Acta, 2010, 55, 9166-9173.	5.2	21
25	The Effect of O-Functionalities for the Electrochemical Reduction of Oxygen on MWCNTs in Acid Media. Electrochemical and Solid-State Letters, 2010, 13, F7.	2.2	26
26	Crystal Defects on Multi-Walled Carbon Nanotubes by Cobalt Oxide. Journal of Nanoscience and Nanotechnology, 2010, 10, 2375-2380.	0.9	20
27	A Simple Method to Controllably Coat Crystalline SnO₂ Nanoparticles on Multiwalled Carbon Nanotubes. Journal of Nanoscience and Nanotechnology, 2009, 9, 366-370.	0.9	7
28	Fabrication and Characterization of Multiwalled Carbon Nanotubes-Supported Ptâˆ•SnO[sub x] Nanocomposites as Catalysts for Electro-oxidation of Methanol. Journal of the Electrochemical Society, 2007, 154, A207.	2.9	29
29	Self-Organized Ptâˆ•SnO[sub 2] Electrocatalysts on Multiwalled Carbon Nanotubes. Electrochemical and Solid-State Letters, 2005, 8, A489.	2.2	15