

# Hidenori Yamada

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5444684/publications.pdf>

Version: 2024-02-01

15  
papers

230  
citations

1163117

8  
h-index

1281871

11  
g-index

16  
all docs

16  
docs citations

16  
times ranked

448  
citing authors

#	ARTICLE	IF	CITATIONS
1	Charge transfer and storage in nanostructures. <i>Materials Science and Engineering Reports</i> , 2015, 96, 1-69.	31.8	74
2	Modulation of the Electrostatic and Quantum Capacitances of Few Layered Graphenes through Plasma Processing. <i>Nano Letters</i> , 2015, 15, 3067-3072.	9.1	58
3	Limits to the magnitude of capacitance in carbon nanotube array electrode based electrochemical capacitors. <i>Applied Physics Letters</i> , 2013, 102, 173113.	3.3	25
4	The role of defects and dimensionality in influencing the charge, capacitance, and energy storage of graphene and 2D materials. <i>Nanotechnology Reviews</i> , 2017, 6, 421-433.	5.8	18
5	Dimensionality-Dependent Electrochemical Kinetics at the Single-Layer Graphene-Electrolyte Interface. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 4004-4008.	4.6	15
6	Room-temperature Coulomb staircase in semiconducting InP nanowires modulated with light illumination. <i>Nanotechnology</i> , 2011, 22, 055201.	2.6	13
7	Electrochemical kinetics and dimensional considerations, at the nanoscale. <i>AIP Advances</i> , 2016, 6, .	1.3	10
8	Enhanced electrical current densities in electrochemical systems through the use of nanostructured electrodes. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	9
9	Electrochemical kinetics and dimensional considerations at the nanoscale: the influence of the density of states. <i>MRS Communications</i> , 2017, 7, 651-657.	1.8	3
10	Electron tunneling in nanoscale electrodes for battery applications. <i>Chemical Physics Letters</i> , 2018, 695, 24-27.	2.6	2
11	A semiconductor physics based model for thermal characteristics in electronic electrolytic energy storage devices. <i>Journal of Applied Physics</i> , 2021, 129, 174501.	2.5	2
12	The Role and Application of Quantum Capacitance in Nanostructured Energy Storage Devices. , 2014, , 859-866.		1
13	Coulomb staircase in fused semiconducting InP nanowires under light illumination. , 2010, , .		0
14	Reversible suppression of Coulomb staircase in InP nanowires with light illumination. , 2010, , .		0
15	Transport in fused InP nanowire device in dark and under illumination: Coulomb staircase scenario. , 2011, , .		0