

# Karen Dawson

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1201423/publications.pdf>

Version: 2024-02-01

15  
papers

359  
citations

933447

10  
h-index

1125743

13  
g-index

15  
all docs

15  
docs citations

15  
times ranked

405  
citing authors

#	ARTICLE	IF	CITATIONS
1	Single on-chip gold nanowires for electrochemical biosensing of glucose. <i>Analyst, The</i> , 2011, 136, 4507.	3.5	59
2	Electroanalysis at Single Gold Nanowire Electrodes. <i>Journal of Physical Chemistry C</i> , 2012, 116, 14665-14673.	3.1	54
3	Single Nanoskived Nanowires for Electrochemical Applications. <i>Analytical Chemistry</i> , 2011, 83, 5535-5540.	6.5	52
4	Development of Low Cost Rapid Fabrication of Sharp Polymer Microneedles for In Vivo Glucose Biosensing Applications. <i>ECS Journal of Solid State Science and Technology</i> , 2015, 4, S3053-S3058.	1.8	43
5	Electroanalysis at the Nanoscale. <i>Annual Review of Analytical Chemistry</i> , 2014, 7, 163-181.	5.4	30
6	Fully integrated on-chip nano-electrochemical devices for electroanalytical applications. <i>Electrochimica Acta</i> , 2014, 115, 239-246.	5.2	29
7	Electroanalysis at discrete arrays of gold nanowire electrodes. <i>Electrochimica Acta</i> , 2013, 101, 169-176.	5.2	26
8	Highly sensitive detection of nitroaromatic explosives at discrete nanowire arrays. <i>Faraday Discussions</i> , 2013, 164, 283.	3.2	18
9	Gold nanowire electrodes in array: simulation study and experiments. <i>Faraday Discussions</i> , 2013, 164, 377.	3.2	17
10	Multi-colour emission from dye doped polymeric nanotubes by host-guest energy transfer. <i>Journal of Materials Chemistry</i> , 2011, 21, 15995.	6.7	14
11	Nanofabrication of Robust Nanoelectrodes for Electrochemical Applications. <i>ECS Transactions</i> , 2010, 28, 29-37.	0.5	8
12	Gold Nanowire Electrode Arrays: Investigations of Non-Faradaic Behavior. <i>Journal of the Electrochemical Society</i> , 2014, 161, B3049-B3054.	2.9	8
13	A Combined Fluidic Force-Magnetic Field Driven Self-Assembly Technique to Yield Fully Functional Single Nanowire Electroanalytical Devices. <i>Journal of the Electrochemical Society</i> , 2016, 163, B335-B339.	2.9	1
14	Glucose Detection at Single Gold Nanowires. <i>ECS Meeting Abstracts</i> , 2013, , .	0.0	0
15	Reducing Charging Currents at Nanowire Sensors: Simulation, Fabrication and Evaluation. , 2019, , .		0