

# Karen Dawson

## List of Publications by Year in descending order

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Version: 2024-02-01

15  
papers

359  
citations

933447

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1125743

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g-index

15  
all docs

15  
docs citations

15  
times ranked

405  
citing authors

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