

# Pierrick Clement

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

22  
papers

304  
citations

10  
h-index

17  
g-index

22  
ext. papers

362  
ext. citations

7.5  
avg, IF

3.1  
L-index

#	Paper	IF	Citations
22	Deep Cavitand Self-Assembled on Au NPs-MWCNT as Highly Sensitive Benzene Sensing Interface. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 4011-4020	15.6	54
21	Multi-walled carbon nanotubes for volatile organic compound detection. <i>Sensors and Actuators B: Chemical</i> , <b>2013</b> , 182, 344-350	8.5	36
20	Reconfigurable Carbon Nanotube Multiplexed Sensing Devices. <i>Nano Letters</i> , <b>2018</b> , 18, 4130-4135	11.5	35
19	Iron oxide and oxygen plasma functionalized multi-walled carbon nanotubes for the discrimination of volatile organic compounds. <i>Carbon</i> , <b>2014</b> , 78, 510-520	10.4	29
18	Pt- and Pd-decorated MWCNTs for vapour and gas detection at room temperature. <i>Beilstein Journal of Nanotechnology</i> , <b>2015</b> , 6, 919-27	3	25
17	Gas discrimination using screen-printed piezoelectric cantilevers coated with carbon nanotubes. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 237, 1056-1065	8.5	19
16	Oxygen plasma treated carbon nanotubes for the wireless monitoring of nitrogen dioxide levels. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 208, 444-449	8.5	18
15	Tuning the Coupling in Single-Molecule Heterostructures: DNA-Programmed and Reconfigurable Carbon Nanotube-Based Nanohybrids. <i>Advanced Science</i> , <b>2018</b> , 5, 1800596	13.6	16
14	One-step firing for electroded PZT thick films applied to MEMS. <i>Smart Materials and Structures</i> , <b>2015</b> , 24, 025020	3.4	13
13	Functionalised multi-walled carbon nanotubes for chemical vapour detection. <i>International Journal of Nanotechnology</i> , <b>2013</b> , 10, 485	1.5	11
12	In Vitro Cytocompatibility Assessment of Ti-Modified, Silicon-oxycarbide-Based, Polymer-Derived, Ceramic-Implantable Electrodes under Pacing Conditions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 17244-17253	9.5	10
11	Nitrogen Dioxide Wireless Sensor Based on Carbon Nanotubes and UWB RFID Technology. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2015</b> , 14, 1145-1148	3.8	7
10	A One-Step Chemical Strategy for the Formation of Carbon Nanotube Junctions in Aqueous Solution: Reaction of DNA-Wrapped Carbon Nanotubes with Diazonium Salts. <i>ChemPlusChem</i> , <b>2019</b> , 84, 1235-1238	2.8	6
9	Rhodium-decorated MWCNTs for detecting organic vapours. <i>International Journal of Nanotechnology</i> , <b>2015</b> , 12, 562	1.5	6
8	Use of a CNT-coated Piezoelectric Cantilever with Double Transduction As a Gas Sensor for Benzene Detection at Room Temperature. <i>Procedia Engineering</i> , <b>2014</b> , 87, 708-711		6
7	Direct Synthesis of Multiplexed Metal-Nanowire-Based Devices by Using Carbon Nanotubes as Vector Templates. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 9928-9932	16.4	4
6	Gas Discrimination Using Screen-printed Piezoelectric Cantilevers Coated with Carbon Nanotubes. <i>Procedia Engineering</i> , <b>2015</b> , 120, 987-992		3

- 5 Carbon nanomaterials functionalized with macrocyclic compounds for sensing vapors of aromatic VOCs **2020**, 223-237 3
- 4 Direct Synthesis of Multiplexed Metal-Nanowire-Based Devices by Using Carbon Nanotubes as Vector Templates. *Angewandte Chemie*, **2019**, 131, 10033-10037 3.6 2
- 3 RF sputtering as a tool for plasma treating and metal decoration. *Procedia Engineering*, **2011**, 25, 223-226 1
- 2 Printed transducers using nanomaterials for gas sensing. *Materials Today: Proceedings*, **2019**, 6, 306-309 1.4
- 1 Benzene Detection: Deep Cavitand Self-Assembled on Au NPs-MWCNT as Highly Sensitive Benzene Sensing Interface (Adv. Funct. Mater. 26/2015). *Advanced Functional Materials*, **2015**, 25, 4172-4172 15.6