

# Pierrick Clement

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

394  
citations

840728

11  
h-index

752679

20  
g-index

22  
all docs

22  
docs citations

22  
times ranked

673  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Cavitand Self-Assembled on Au NPs@MWCNT as Highly Sensitive Benzene Sensing Interface. <i>Advanced Functional Materials</i> , 2015, 25, 4011-4020.	14.9	65
2	Reconfigurable Carbon Nanotube Multiplexed Sensing Devices. <i>Nano Letters</i> , 2018, 18, 4130-4135.	9.1	52
3	Multi-walled carbon nanotubes for volatile organic compound detection. <i>Sensors and Actuators B: Chemical</i> , 2013, 182, 344-350.	7.8	46
4	Pt- and Pd-decorated MWCNTs for vapour and gas detection at room temperature. <i>Beilstein Journal of Nanotechnology</i> , 2015, 6, 919-927.	2.8	33
5	Iron oxide and oxygen plasma functionalized multi-walled carbon nanotubes for the discrimination of volatile organic compounds. <i>Carbon</i> , 2014, 78, 510-520.	10.3	31
6	Gas discrimination using screen-printed piezoelectric cantilevers coated with carbon nanotubes. <i>Sensors and Actuators B: Chemical</i> , 2016, 237, 1056-1065.	7.8	26
7	Tuning the Coupling in Single-Molecule Heterostructures: DNA-Programmed and Reconfigurable Carbon Nanotube-Based Nanohybrids. <i>Advanced Science</i> , 2018, 5, 1800596.	11.2	24
8	Oxygen plasma treated carbon nanotubes for the wireless monitoring of nitrogen dioxide levels. <i>Sensors and Actuators B: Chemical</i> , 2015, 208, 444-449.	7.8	21
9	Functionalised multi-walled carbon nanotubes for chemical vapour detection. <i>International Journal of Nanotechnology</i> , 2013, 10, 485.	0.2	14
10	One-step firing for electroded PZT thick films applied to MEMS. <i>Smart Materials and Structures</i> , 2015, 24, 025020.	3.5	13
11	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> , 2020, 12, 17244-17253.	8.0	13
12	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> , 2019, 84, 1235-1238.	2.8	12
13	Direct Synthesis of Multiplexed Metal-Nanowire-Based Devices by Using Carbon Nanotubes as Vector Templates. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9928-9932.	13.8	10
14	Nitrogen Dioxide Wireless Sensor Based on Carbon Nanotubes and UWB RFID Technology. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2015, 14, 1145-1148.	4.0	8
15	Rhodium-decorated MWCNTs for detecting organic vapours. <i>International Journal of Nanotechnology</i> , 2015, 12, 562.	0.2	7
16	Use of a CNT-coated Piezoelectric Cantilever with Double Transduction As a Gas Sensor for Benzene Detection at Room Temperature. <i>Procedia Engineering</i> , 2014, 87, 708-711.	1.2	6
17	Direct Synthesis of Multiplexed Metal-Nanowire-Based Devices by Using Carbon Nanotubes as Vector Templates. <i>Angewandte Chemie</i> , 2019, 131, 10033-10037.	2.0	4
18	Gas Discrimination Using Screen-printed Piezoelectric Cantilevers Coated with Carbon Nanotubes. <i>Procedia Engineering</i> , 2015, 120, 987-992.	1.2	3

#	ARTICLE	IF	CITATIONS
19	Carbon nanomaterials functionalized with macrocyclic compounds for sensing vapors of aromatic VOCs. , 2020, , 223-237.		3
20	RF sputtering as a tool for plasma treating and metal decoration. Procedia Engineering, 2011, 25, 223-226.	1.2	1
21	Bezene 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.	14.9	1
22	Printed transducers using nanomaterials for gas sensing. Materials Today: Proceedings, 2019, 6, 306-309.	1.8	1