

# Tapan Sarkar

## List of Publications by Year in descending order

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18  
papers

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759233

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citing authors

#	ARTICLE	IF	CITATIONS
1	Porphyrin-Functionalized Single-Walled Carbon Nanotube Chemiresistive Sensor Arrays for VOCs. <i>Journal of Physical Chemistry C</i> , 2012, 116, 3845-3850.	3.1	125
2	Primary amine-functionalized polyaniline nanothin film sensor for detecting formaldehyde. <i>Sensors and Actuators B: Chemical</i> , 2014, 194, 255-259.	7.8	54
3	Single-Walled Carbon Nanotube-Poly(porphyrin) Hybrid for Volatile Organic Compounds Detection. <i>Journal of Physical Chemistry C</i> , 2014, 118, 1602-1610.	3.1	51
4	A miniature chemiresistor sensor for carbon dioxide. <i>Analytica Chimica Acta</i> , 2015, 874, 54-58.	5.4	43
5	Label-free chemiresistive biosensor for mercury (II) based on single-walled carbon nanotubes and structure-switching DNA. <i>Applied Physics Letters</i> , 2013, 102, 13701.	3.3	40
6	Nanothin Polyaniline Film for Highly Sensitive Chemiresistive Gas Sensing. <i>Electroanalysis</i> , 2013, 25, 1439-1445.	2.9	27
7	Carbon Nanotubes-Based Label-Free Affinity Sensors for Environmental Monitoring. <i>Applied Biochemistry and Biotechnology</i> , 2013, 170, 1011-1025.	2.9	21
8	Calixarene-functionalized single-walled carbon nanotubes for sensitive detection of volatile amines. <i>Sensors and Actuators B: Chemical</i> , 2018, 268, 115-122.	7.8	20
9	Single-walled Carbon Nanotube-Calixarene Based Chemiresistor for Volatile Organic Compounds. <i>Electroanalysis</i> , 2018, 30, 2077-2084.	2.9	16
10	Core-shell type magnetic Ni/NiO nanoparticles as recyclable adsorbent for Pb (II) and Cd (II) ions: One-pot synthesis, adsorption performance, and mechanism. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020, 113, 223-230.	5.3	16
11	Photo-induced charge transport in ZnS nanocrystals decorated single walled carbon nanotube field-effect transistor. <i>Applied Physics Letters</i> , 2011, 99, 173110.	3.3	13
12	Single-walled carbon nanotubes-calixarene hybrid for sub-ppm detection of NO <sub>2</sub> . <i>Microelectronic Engineering</i> , 2018, 197, 28-32.	2.4	13
13	Potassium Iodide-Functionalized Polyaniline Nanothin Film Chemiresistor for Ultrasensitive Ozone Gas Sensing. <i>Polymers</i> , 2017, 9, 80.	4.5	7
14	Unique photoluminescence response of MoS <sub>2</sub> quantum dots over a wide range of As (III) in aqueous media. <i>Nanotechnology</i> , 2021, 32, 345708.	2.6	5
15	Electrochemically functionalized single-walled carbon nanotubes for ultrasensitive detection of BTEX vapors. <i>Microelectronic Engineering</i> , 2021, 247, 111584.	2.4	3
16	Simultaneous removal of organic and inorganic pollutants from water by Ni/NiO/SnO <sub>2</sub> nanoparticles. <i>Environmental Science and Pollution Research</i> , 2022, 29, 22093-22105.	5.3	3
17	Volatile Organic Compounds. <i>Nanostructure Science and Technology</i> , 2015, , 1023-1046.	0.1	1
18	L-cysteine functionalized graphene quantum dots for sub-ppb detection of As (III). <i>Nanotechnology</i> , 2021, 33, .	2.6	1