

# Samira Farsinezhad

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

1,037  
citations

516215

16  
h-index

552369

26  
g-index

28  
all docs

28  
docs citations

28  
times ranked

1703  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photocatalytic Conversion of Diluted CO <sub>2</sub> into Light Hydrocarbons Using Periodically Modulated Multiwalled Nanotube Arrays. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12732-12735.	7.2	150
2	Anodic Cu <sub>2</sub> S and CuS nanorod and nanowall arrays: preparation, properties and application in CO <sub>2</sub> photoreduction. <i>Nanoscale</i> , 2014, 6, 14305-14318.	2.8	132
3	Enhanced CH <sub>4</sub> yield by photocatalytic CO <sub>2</sub> reduction using TiO <sub>2</sub> nanotube arrays grafted with Au, Ru, and ZnPd nanoparticles. <i>Nano Research</i> , 2016, 9, 3478-3493.	5.8	126
4	Phosphorescence within benzotellurophenes and color tunable tellurophenes under ambient conditions. <i>Chemical Communications</i> , 2015, 51, 5444-5447.	2.2	74
5	Interfacial band alignment for photocatalytic charge separation in TiO <sub>2</sub> nanotube arrays coated with CuPt nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 29723-29733.	1.3	72
6	Liquid Sensing Using Active Feedback Assisted Planar Microwave Resonator. <i>IEEE Microwave and Wireless Components Letters</i> , 2015, 25, 621-623.	2.0	71
7	Transparent Anodic TiO <sub>2</sub> Nanotube Arrays on Plastic Substrates for Disposable Biosensors and Flexible Electronics. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 2885-2891.	0.9	42
8	Core-shell titanium dioxide-titanium nitride nanotube arrays with near-infrared plasmon resonances. <i>Nanotechnology</i> , 2018, 29, 154006.	1.3	40
9	Rutile phase n- and p-type anodic titania nanotube arrays with square-shaped pore morphologies. <i>Chemical Communications</i> , 2015, 51, 7816-7819.	2.2	37
10	Effect of phosphonate monolayer adsorbate on the microwave photoresponse of TiO <sub>2</sub> nanotube membranes mounted on a planar double ring resonator. <i>Nanotechnology</i> , 2016, 27, 375201.	1.3	37
11	Effect of sol stabilizer on the structure and electronic properties of solution-processed ZnO thin films. <i>RSC Advances</i> , 2015, 5, 87007-87018.	1.7	35
12	Hierarchical rutile TiO <sub>2</sub> aggregates: A high photonic strength material for optical and optoelectronic devices. <i>Acta Materialia</i> , 2016, 119, 92-103.	3.8	30
13	Amphiphobic surfaces from functionalized TiO <sub>2</sub> nanotube arrays. <i>RSC Advances</i> , 2014, 4, 33587-33598.	1.7	25
14	All-solution processed, scalable superhydrophobic coatings on stainless steel surfaces based on functionalized discrete titania nanotubes. <i>Chemical Engineering Journal</i> , 2018, 351, 482-489.	6.6	24
15	Reduced Ensemble Plasmon Line Widths and Enhanced Two-Photon Luminescence in Anodically Formed High Surface Area Au-TiO <sub>2</sub> 3D Nanocomposites. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 740-749.	4.0	23
16	Toward single-step anodic fabrication of monodisperse TiO <sub>2</sub> nanotube arrays on non-native substrates. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 1113-1121.	0.8	17
17	Majority carrier transport in single crystal rutile nanowire arrays. <i>Physica Status Solidi - Rapid Research Letters</i> , 2014, 8, 512-516.	1.2	16
18	Optical anisotropy in vertically oriented TiO <sub>2</sub> nanotube arrays. <i>Nanotechnology</i> , 2017, 28, 374001.	1.3	14

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19	Charge transport, doping and luminescence in solution-processed, phosphorescent, air-stable tellurophene thin films. <i>Organic Electronics</i> , 2016, 39, 153-162.	1.4	10
20	Low residual donor concentration and enhanced charge transport in low-cost electrodeposited ZnO. <i>Journal of Materials Chemistry C</i> , 2016, 4, 2279-2283.	2.7	8
21	Multipodal and Multilayer TiO <sub>2</sub> Nanotube Arrays: Hierarchical Structures for Energy Harvesting and Sensing. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1552, 29-34.	0.1	7
22	Radial Heterojunction Solar Cell Consisting of n-Type Rutile Nanowire Arrays Infiltrated by p-Type CdTe. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 5119-5123.	0.9	4
23	The Morphology of TiO <sub>2</sub> Nanotube Arrays Grown from Atomically Peened and Non-Atomically Peened Ti Films. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 4936-4945.	0.9	3
24	Effect of the Nature of the Metal Co-Catalyst on CO <sub>2</sub> Photoreduction Using Fast-Grown Periodically Modulated Titanium Dioxide Nanotube Arrays (PMTiNTs). <i>Materials Research Society Symposia Proceedings</i> , 2013, 1578, 1.	0.1	2
25	The Wetting Behavior of TiO <sub>2</sub> Nanotube Arrays With Perfluorinated Surface Functionalization. , 2014, , .		2
26	Mapping stresses in high aspect ratio polysilicon electrical through-wafer interconnects. <i>Journal of Micro/ Nanolithography, MEMS, and MOEMS</i> , 2015, 14, 024001.	1.0	1
27	Plasmon-enhanced SERS detection of small molecules: Au nanoparticle-embedded TiO <sub>2</sub> nanotubes as high Q-factor sensor substrates. , 2017, , .		0