

Amir H Khoshaman

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

200
citations

1478505

6
h-index

1588992

8
g-index

14
all docs

14
docs citations

14
times ranked

283
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of metal organic framework crystals for sensing of volatile organic gases. Sensors and Actuators B: Chemical, 2012, 162, 114-119.	7.8	69
2	Graphenylene Nanotubes. Journal of Physical Chemistry Letters, 2015, 6, 3982-3987.	4.6	31
3	Highly sensitive supra-molecular thin films for gravimetric detection of methane. Sensors and Actuators B: Chemical, 2012, 161, 954-960.	7.8	24
4	Thermionics, Thermoelectrics, and Nanotechnology: New Possibilities for Old Ideas. IEEE Nanotechnology Magazine, 2014, 8, 4-15.	1.3	24
5	Nanostructured Thermionics for Conversion of Light to Electricity: Simultaneous Extraction of Device Parameters. IEEE Nanotechnology Magazine, 2015, 14, 624-632.	2.0	22
6	A self-consistent approach to the analysis of thermionic devices. Journal of Applied Physics, 2016, 119, .	2.5	13
7	Classical momentum gap for electron transport in vacuum and consequences for space charge in thermionic converters with a grid electrode. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2016, 34, .	1.2	6
8	Localized light induced thermionic emission from intercalated carbon nanotube forests. , 2014, , .		4
9	Characterization of the internal parameters of nanostructured light induced thermionic emission devices for energy conversion. , 2014, , .		3
10	Low-pressure plasma-enhanced behavior of thermionic converters. Journal of Applied Physics, 2016, 120, 243302.	2.5	3
11	A comprehensive approach to the analysis of nano-thermionic convertors through particle tracing. , 2015, , .		1
12	High sensitivity, supramolecular thin films for sensing of methane. , 2012, , .		0
13	Extraction of multiple parameters of a light-activated thermionic cathode with a single type of experiment. , 2013, , .		0
14	Modeling of thermionic converters through self-consistent solution of Vlasov and Poisson equations. , 2015, , .		0