

Eliana M F Vieira

List of Publications by Year in descending order

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26
papers

367
citations

1039880

9
h-index

794469

19
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26
all docs

26
docs citations

26
times ranked

566
citing authors

#	ARTICLE	IF	CITATIONS
1	All-Oxide p-n Junction Thermoelectric Generator Based on SnO _x and ZnO Thin Films. ACS Applied Materials & Interfaces, 2021, 13, 35187-35196.	4.0	21
2	Touch sensor and photovoltaic characteristics of CuSbS ₂ thin films. Ceramics International, 2021, 47, 22594-22603.	2.3	6
3	High-performance self-powered photodetectors achieved through the pyro-phototronic effect in Si/SnO _x /ZnO heterojunctions. Nano Energy, 2021, 89, 106347.	8.2	39
4	Flexible, scalable, and efficient thermoelectric touch detector based on PDMS and graphite flakes. Flexible and Printed Electronics, 2021, 6, 045018.	1.5	4
5	Perovskite ferroelectric thin film as an efficient interface to enhance the photovoltaic characteristics of Si/SnO _x heterojunctions. Journal of Materials Chemistry A, 2020, 8, 11314-11326.	5.2	10
6	Highly sensitive thermoelectric touch sensor based on p-type SnO _x thin film. Nanotechnology, 2019, 30, 435502.	1.3	17
7	High-Performance 1/4-Thermoelectric Device Based on Bi ₂ Te ₃ /Sb ₂ Te ₃ p-n Junctions. ACS Applied Materials & Interfaces, 2019, 11, 38946-38954.	4.0	36
8	Tuning electrical and thermoelectric properties of freestanding graphene oxide papers by carbon nanotubes and heat treatment. Journal of Alloys and Compounds, 2019, 781, 196-200.	2.8	14
9	Enhanced thermoelectric properties of Sb ₂ Te ₃ and Bi ₂ Te ₃ films for flexible thermal sensors. Journal of Alloys and Compounds, 2019, 774, 1102-1116.	2.8	70
10	SiGe layer thickness effect on the structural and optical properties of well-organized SiGe/SiO ₂ multilayers. Nanotechnology, 2017, 28, 345701.	1.3	5
11	Glycerol/PEDOT:PSS coated woven fabric as a flexible heating element on textiles. Journal of Materials Chemistry C, 2017, 5, 3807-3822.	2.7	59
12	Flexible Solid-State Ge ⁺ LiCoO ₂ Battery: From Materials To Device Application. Advanced Materials Letters, 2017, 8, 820-829.	0.3	2
13	A flexible Li-ion battery with design towards electrodes electrical insulation. Journal of Micromechanics and Microengineering, 2016, 26, 084002.	1.5	4
14	Electrical insulation properties of RF-sputtered LiPON layers towards electrochemical stability of lithium batteries. Journal Physics D: Applied Physics, 2016, 49, 485301.	1.3	7
15	Titanium Oxide Adhesion Layer for High Temperature Annealed Si/Si ₃ N ₄ /TiO _x /Pt/LiCoO ₂ Battery Structures. Journal of Electronic Materials, 2016, 45, 910-916.	1.0	10
16	Lithium cobalt oxide crystallization on flexible polyimide substrate. Journal of Materials Science: Materials in Electronics, 2016, 27, 631-636.	1.1	3
17	A chemically stable PVD multilayer encapsulation for lithium microbatteries. Journal Physics D: Applied Physics, 2015, 48, 395306.	1.3	8
18	IBA study of SiGe/SiO ₂ nanostructured multilayers. Nuclear Instruments & Methods in Physics Research B, 2014, 331, 89-92.	0.6	3

#	ARTICLE	IF	CITATIONS
19	Charge storage behavior of nanostructures based on SiGe nanocrystals embedded in Al ₂ O ₃ matrix. European Physical Journal B, 2013, 86, 1.	0.6	5
20	A shadowed off-axis production of Ge nanoparticles in Ar gas atmosphere by pulsed laser deposition. Applied Physics A: Materials Science and Processing, 2013, 110, 585-590.	1.1	7
21	Influence of RF-sputtering power on formation of vertically stacked Si _{1-x} Ge _x nanocrystals between ultra-thin amorphous Al ₂ O ₃ layers: structural and photoluminescence properties. Journal Physics D: Applied Physics, 2013, 46, 385301.	1.3	1
22	Shadowed off-axis production of Ge nanoparticles in Ar gas atmosphere by pulsed laser deposition: Morphological, structural and charge trapping properties. Applied Surface Science, 2013, 280, 632-640.	3.1	6
23	Charge trapping properties and retention time in amorphous SiGe/SiO ₂ nanolayers. Journal Physics D: Applied Physics, 2013, 46, 095306.	1.3	9
24	Structural and electrical studies of ultrathin layers with Si _{0.7} Ge _{0.3} nanocrystals confined in a SiGe/SiO ₂ superlattice. Journal of Applied Physics, 2012, 111, 104323.	1.1	10
25	Ge nanocrystals with highly uniform size distribution deposited on alumina at room temperature by pulsed laser deposition: structural, morphological, and charge trapping properties. Journal of Nanoparticle Research, 2012, 14, 1.	0.8	3
26	Influence of the deposition parameters on the growth of SiGe nanocrystals embedded in Al ₂ O ₃ matrix. Microelectronic Engineering, 2011, 88, 509-513.	1.1	8