

# Erica Freire Antunes

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

1,376  
citations

586496

16  
h-index

488211

31  
g-index

40  
all docs

40  
docs citations

40  
times ranked

2357  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fast carbon nanotube growth on carbon fiber keeping tensile strength. <i>Composite Interfaces</i> , 2021, 28, 859-878.	1.3	3
2	Suppression of vapor-liquid-solid (VLS) mechanism in the growth of $\text{In}_2\text{Sb}_2\text{O}_4$ nanobelts by a vapor-deposition approach. <i>Materials Science in Semiconductor Processing</i> , 2021, 134, 106006.	1.9	2
3	Sodium-Based Catalysis Of Carbon Nanotubes For Interlaminar Reinforcement Of Unidirectional Hierarchical Laminates. , 2020, , .		1
4	Low-temperature Growth of Carbon Nanotubes Catalyzed by Sodium-Based Ingredients. <i>Angewandte Chemie</i> , 2019, 131, 9302-9307.	1.6	2
5	Low-temperature Growth of Carbon Nanotubes Catalyzed by Sodium-Based Ingredients. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9204-9209.	7.2	25
6	Interlaminar Shear Reinforcement of Aerospace Laminates with Radially-aligned Carbon Nanotubes. , 2018, , .		2
7	Woven Hierarchical Aerospace Composite Laminates with Aligned Carbon Nanotube Bulk Reinforcement. , 2016, , .		1
8	Impedance spectroscopy of silicone rubber and vertically-aligned carbon nanotubes composites under tensile strain. <i>Materials Research Society Symposia Proceedings</i> , 2015, 1752, 83-88.	0.1	0
9	Combined effect of nitrogen doping and nanosteps on microcrystalline diamond films for improvement of field emission. <i>Applied Surface Science</i> , 2015, 334, 222-226.	3.1	5
10	Control of the Length and Density of Carbon Nanotubes Grown on Carbon Fiber for Composites Reinforcement. <i>Materials Research Society Symposia Proceedings</i> , 2015, 1752, 77-82.	0.1	3
11	Vertically Aligned Carbon Nanotubes/Carbon Fiber Composites for Electrochemical Applications. <i>Materials Science Forum</i> , 2014, 802, 192-196.	0.3	3
12	Oxygen Plasma Exfoliated Vertically-Aligned Carbon Nanotubes as Electrodes for Ultrasensitive Stripping Detection of $\text{Pb}^{2+}$ . <i>Journal of the Electrochemical Society</i> , 2014, 161, H321-H325.	1.3	12
13	Electrodeposition of Zinc Oxide NanoSheets on Exfoliated Tips of Carbon Nanotube Films. <i>Advanced Materials Research</i> , 2014, 975, 50-55.	0.3	1
14	Cure study of epoxy resin reinforced with multiwalled carbon nanotubes by Raman and luminescence spectroscopy. <i>Journal of Applied Polymer Science</i> , 2013, 127, 544-553.	1.3	47
15	Growth of vertically aligned carbon nanotubes on carbon fiber: thermal and electrochemical treatments. <i>Journal of Solid State Electrochemistry</i> , 2013, 17, 1977-1984.	1.2	11
16	Growth of Carbon Nanotube Forests on Carbon Fibers with a $\text{SiO}_2$ Interlayer. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1451, 97-102.	0.1	2
17	Fast functionalization of vertically aligned multiwalled carbon nanotubes using oxygen plasma. <i>Materials Letters</i> , 2012, 70, 89-93.	1.3	87
18	Cytocompatibility studies of vertically-aligned multi-walled carbon nanotubes: Raw material and functionalized by oxygen plasma. <i>Materials Science and Engineering C</i> , 2012, 32, 648-652.	3.8	22

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19	Confinement effect and spreading of water into microchannels fabricated on the VACNT surfaces. <i>Diamond and Related Materials</i> , 2011, 20, 931-936.	1.8	4
20	Evaluation of residual iron in carbon nanotubes purified by acid treatments. <i>Applied Surface Science</i> , 2011, 258, 641-648.	3.1	133
21	Epoxy Composite with Milimetric Carbon Nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 9025-9031.	0.9	1
22	Influence of polar groups on the wetting properties of vertically aligned multiwalled carbon nanotube surfaces. <i>Theoretical Chemistry Accounts</i> , 2011, 130, 1061-1069.	0.5	20
23	Analyses of residual iron in carbon nanotubes produced by camphor/ferrocene pyrolysis and purified by high temperature annealing. <i>Applied Surface Science</i> , 2011, 257, 8038-8043.	3.1	57
24	Total re-establishment of superhydrophobicity of vertically-aligned carbon nanotubes by Co2 laser treatment. <i>Surface and Coatings Technology</i> , 2010, 204, 3073-3077.	2.2	19
25	An evaluation of cell proliferation and adhesion on vertically-aligned multi-walled carbon nanotube films. <i>Carbon</i> , 2010, 48, 245-254.	5.4	59
26	Growth of carbon nanotube forests on carbon fibers with an amorphous silicon interface. <i>Carbon</i> , 2010, 48, 3655-3658.	5.4	45
27	CO2 laser treatment for stabilization of the superhydrophobicity of carbon nanotube surfaces. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2010, 28, 1153-1157.	0.6	18
28	Thermal Annealing and Electrochemical Purification of Multi-Walled Carbon Nanotubes Produced by Camphor/Ferrocene Mixtures. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 1296-1303.	0.9	16
29	Wettability control on vertically-aligned multi-walled carbon nanotube surfaces with oxygen pulsed DC plasma and CO2 laser treatments. <i>Diamond and Related Materials</i> , 2010, 19, 752-755.	1.8	52
30	Monolayer formation of human osteoblastic cells on vertically aligned multiwalled carbon nanotube scaffolds. <i>Cell Biology International</i> , 2010, 34, 393-398.	1.4	11
31	Cytotoxicity analysis of vertically aligned multi-walled carbon nanotubes by colorimetric assays. <i>Synthetic Metals</i> , 2009, 159, 2165-2166.	2.1	6
32	Biocompatibility of multi-walled carbon nanotubes grown on titanium and silicon surfaces. <i>Materials Science and Engineering C</i> , 2008, 28, 532-538.	3.8	32
33	Cell viability and adhesion on as grown multi-wall carbon nanotube films. <i>Materials Science and Engineering C</i> , 2008, 28, 264-269.	3.8	59
34	Influence of diameter in the Raman spectra of aligned multi-walled carbon nanotubes. <i>Carbon</i> , 2007, 45, 913-921.	5.4	204
35	Comparative study of first- and second-order Raman spectra of MWCNT at visible and infrared laser excitation. <i>Carbon</i> , 2006, 44, 2202-2211.	5.4	408
36	Cell Viability and Adhesion on as Grown Vertically Aligned Carbon Nanotubes. <i>Materials Research Society Symposia Proceedings</i> , 2006, 950, 1.	0.1	0

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37	Covering Steel Surface with Carbon Black by CO <sub>2</sub> Laser. Materials Science Forum, 0, 660-661, 249-252.	0.3	3
38	Electrodeposition of Zinc Oxide on Graphene Tips Electrochemically Exfoliated and O <sub>2</sub> -Plasma Treated. Advanced Materials Research, 0, 975, 179-183.	0.3	0
39	Electric Double Layer Capacitor of Multiwall Carbon Nanotubes under Different Degree of Acid Oxidations. Materials Science Forum, 0, 802, 186-191.	0.3	0