

# Alexandre F Carvalho

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5812178/publications.pdf>

Version: 2024-02-01

20  
papers

876  
citations

687220

13  
h-index

839398

18  
g-index

20  
all docs

20  
docs citations

20  
times ranked

900  
citing authors

#	ARTICLE	IF	CITATIONS
1	Laser-Induced Graphene Strain Sensors Produced by Ultraviolet Irradiation of Polyimide. <i>Advanced Functional Materials</i> , 2018, 28, 1805271.	7.8	228
2	Molecularly-imprinted chloramphenicol sensor with laser-induced graphene electrodes. <i>Biosensors and Bioelectronics</i> , 2019, 124-125, 167-175.	5.3	135
3	Laser-Induced Graphene from Paper for Mechanical Sensing. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 10210-10221.	4.0	115
4	A Review on the Applications of Graphene in Mechanical Transduction. <i>Advanced Materials</i> , 2022, 34, e2101326.	11.1	59
5	IR and UV Laser-Induced Graphene: Application as Dopamine Electrochemical Sensors. <i>Advanced Materials Technologies</i> , 2021, 6, 2100007.	3.0	58
6	Laser-Induced Graphene Piezoresistive Sensors Synthesized Directly on Cork Insoles for Gait Analysis. <i>Advanced Materials Technologies</i> , 2020, 5, 2000630.	3.0	53
7	A critical review on the production and application of graphene and graphene-based materials in anti-corrosion coatings. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2022, 47, 309-355.	6.8	45
8	Laser-Induced Graphene from Paper by Ultraviolet Irradiation: Humidity and Temperature Sensors. <i>Advanced Materials Technologies</i> , 2022, 7, .	3.0	39
9	ZnO decorated laser-induced graphene produced by direct laser scribing. <i>Nanoscale Advances</i> , 2019, 1, 3252-3268.	2.2	23
10	Conversion of paper and xylan into laser-induced graphene for environmentally friendly sensors. <i>Diamond and Related Materials</i> , 2022, 123, 108855.	1.8	20
11	Simultaneous CVD synthesis of graphene-diamond hybrid films. <i>Carbon</i> , 2016, 98, 99-105.	5.4	19
12	Electrochemical Response of Glucose Oxidase Adsorbed on Laser-Induced Graphene. <i>Nanomaterials</i> , 2021, 11, 1893.	1.9	17
13	Tuning the field emission of graphene-diamond hybrids by pulsed methane flow CVD. <i>Carbon</i> , 2017, 122, 726-736.	5.4	15
14	Millimeter-sized few-layer suspended graphene membranes. <i>Applied Materials Today</i> , 2020, 21, 100879.	2.3	14
15	Dual Transduction of H <sub>2</sub> O <sub>2</sub> Detection Using ZnO/Laser-Induced Graphene Composites. <i>Chemosensors</i> , 2021, 9, 102.	1.8	13
16	Influence of laser structural patterning on the tribological performance of C-alloyed W-S coatings. <i>Surface and Coatings Technology</i> , 2020, 394, 125822.	2.2	9
17	Millimeter sized graphene domains through in situ oxidation/reduction treatment of the copper substrate. <i>Carbon</i> , 2020, 169, 403-415.	5.4	8
18	On the tribological performance of laser-treated self-lubricating thin films in contact with rubber. <i>Tribology International</i> , 2022, 174, 107758.	3.0	3

#	ARTICLE	IF	CITATIONS
19	Unobtrusive monitoring of the respiratory rate in an office desk chair with FBG sensors. , 2021, , .		2
20	Magnetoresponse Optical Fiber with Fused-Core Effect Induced Fluorinated Graphene Oxide Core. Advanced Photonics Research, 0, , 2100209.	1.7	1