

Pietro Cataldi

List of Publications by Year in descending order

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28
papers

1,138
citations

430874

18
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526287

27
g-index

29
all docs

29
docs citations

29
times ranked

1467
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene Nanoplatelets-Based Advanced Materials and Recent Progress in Sustainable Applications. Applied Sciences (Switzerland), 2018, 8, 1438.	2.5	201
2	Carbon Nanofiber versus Graphene-Based Stretchable Capacitive Touch Sensors for Artificial Electronic Skin. Advanced Science, 2018, 5, 1700587.	11.2	100
3	Graphene-Enabled Adaptive Infrared Textiles. Nano Letters, 2020, 20, 5346-5352.	9.1	98
4	Healable Cotton-Graphene Nanocomposite Conductor for Wearable Electronics. ACS Applied Materials & Interfaces, 2017, 9, 13825-13830.	8.0	81
5	Green Biocomposites for Thermoelectric Wearable Applications. Advanced Functional Materials, 2020, 30, 1907301.	14.9	74
6	Foldable Conductive Cellulose Fiber Networks Modified by Graphene Nanoplatelet-Bio-Based Composites. Advanced Electronic Materials, 2015, 1, 1500224.	5.1	54
7	Electrically Conductive 2D Material Coatings for Flexible and Stretchable Electronics: A Comparative Review of Graphenes and MXenes. Advanced Functional Materials, 2022, 32, .	14.9	52
8	Fully-sprayed flexible polymer solar cells with a cellulose-graphene electrode. Materials Today Energy, 2018, 7, 105-112.	4.7	51
9	All-Natural Sustainable Packaging Materials Inspired by Plant Cuticles. Advanced Sustainable Systems, 2017, 1, 1600024.	5.3	50
10	Effect of graphene nano-platelet morphology on the elastic modulus of soft and hard biopolymers. Carbon, 2016, 109, 331-339.	10.3	44
11	Multifunctional Biocomposites Based on Polyhydroxyalkanoate and Graphene/Carbon Nanofiber Hybrids for Electrical and Thermal Applications. ACS Applied Polymer Materials, 2020, 2, 3525-3534.	4.4	44
12	Cellulosic Graphene Biocomposites for Versatile High-Performance Flexible Electronic Applications. Advanced Electronic Materials, 2016, 2, 1600245.	5.1	39
13	Electrical conductivity enhancement in thermoplastic polyurethane-graphene nanoplatelet composites by stretch-release cycles. Applied Physics Letters, 2017, 110, .	3.3	32
14	Sustainable Electronics Based on Crop Plant Extracts and Graphene: A Bioadvantaged Approach. Advanced Sustainable Systems, 2018, 2, 1800069.	5.3	27
15	An Electrically Conductive Oleogel Paste for Edible Electronics. Advanced Functional Materials, 2022, 32, .	14.9	26
16	Graphene-Polyurethane Coatings for Deformable Conductors and Electromagnetic Interference Shielding. Advanced Electronic Materials, 2020, 6, 2000429.	5.1	25
17	Hybrid Graphene/Carbon Nanofiber Wax Emulsion for Paper-Based Electronics and Thermal Management. Advanced Electronic Materials, 2020, 6, 2000232.	5.1	24
18	A Thermochromic Superhydrophobic Surface. Scientific Reports, 2016, 6, 27984.	3.3	21

#	ARTICLE	IF	CITATIONS
19	High-performance fluoroelastomer-graphene nanocomposites for advanced sealing applications. <i>Composites Science and Technology</i> , 2021, 202, 108592.	7.8	18
20	Keratin-Graphene Nanocomposite: Transformation of Waste Wool in Electronic Devices. <i>ACS Sustainable Chemistry and Engineering</i> , 0, , .	6.7	14
21	3D cellulose fiber networks modified by PEDOT:PSS/graphene nanoplatelets for thermoelectric applications. <i>Applied Physics Letters</i> , 2022, 120, .	3.3	13
22	A Review on Printing of Responsive Smart and 4D Structures Using 2D Materials. <i>Advanced Materials Technologies</i> , 2022, 7, .	5.8	11
23	Plant-Inspired Polyaleuritateâ€“Nanocellulose Composite Photonic Films. <i>ACS Applied Polymer Materials</i> , 2020, 2, 1528-1534.	4.4	10
24	Preventing Water-Induced Mechanical Deterioration of Cardboard by a Sequential Polymer Treatment. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 6456-6465.	3.7	9
25	Sustainable, High-Barrier Polyaleuritate/Nanocellulose Biocomposites. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 10682-10690.	6.7	9
26	Electronic Skin: Carbon Nanofiber versus Grapheneâ€“Based Stretchable Capacitive Touch Sensors for Artificial Electronic Skin (<i>Adv. Sci.</i> 2/2018). <i>Advanced Science</i> , 2018, 5, 1870011.	11.2	5
27	Zinc Polyaleuritate Ionomer Coatings as a Sustainable, Alternative Technology for Bisphenol A-Free Metal Packaging. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 15484-15495.	6.7	4
28	Packaging Materials: Allâ€“Natural Sustainable Packaging Materials Inspired by Plant Cuticles (<i>Adv.</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	5.3	0