

Junchun Yu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2877749/publications.pdf>

Version: 2024-02-01

36
papers

866
citations

471371

17
h-index

477173

29
g-index

37
all docs

37
docs citations

37
times ranked

1189
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure of graphene oxide membranes in solvents and solutions. <i>Nanoscale</i> , 2015, 7, 15374-15384.	2.8	98
2	Cellulose Nanofibril-Based Coatings of Woven Cotton Fabrics for Improved Inkjet Printing with a Potential in E-Textile Manufacturing. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 4793-4801.	3.2	73
3	Thermal conductivity of highly crystallized polyethylene. <i>Polymer</i> , 2014, 55, 195-200.	1.8	72
4	Thermal Conductivity, Heat Capacity, and Cross-Linking of Polyisoprene/Single-Wall Carbon Nanotube Composites under High Pressure. <i>Macromolecules</i> , 2009, 42, 9295-9301.	2.2	59
5	Phase Transitions in Graphite Oxide Solvates at Temperatures Near Ambient. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 812-817.	2.1	56
6	Selective Intercalation of Graphite Oxide by Methanol in Water/Methanol Mixtures. <i>Journal of Physical Chemistry C</i> , 2013, 117, 1963-1968.	1.5	51
7	Inkjet printing and UV-LED curing of photochromic dyes for functional and smart textile applications. <i>RSC Advances</i> , 2018, 8, 28395-28404.	1.7	49
8	Inkjet Printing of Curcumin-Based Ink for Coloration and Bioactivation of Polyamide, Silk, and Wool Fabrics. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 2073-2082.	3.2	37
9	Tensile Strength and Young's Modulus of Polyisoprene/Single-Wall Carbon Nanotube Composites Increased by High Pressure Cross-linking. <i>Macromolecules</i> , 2010, 43, 7680-7688.	2.2	33
10	Supercritical CO ₂ dyeing of polyester fabric with photochromic dyes to fabricate UV sensing smart textiles. <i>Dyes and Pigments</i> , 2020, 183, 108671.	2.0	33
11	Color Performance, Durability and Handle of Inkjet-Printed and UV-Cured Photochromic Textiles for Multi-Colored Applications. <i>Fibers and Polymers</i> , 2019, 20, 1424-1435.	1.1	27
12	Effects of cross-links, pressure and temperature on the thermal properties and glass transition behaviour of polybutadiene. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 15047.	1.3	26
13	A MWCNT/Polyisoprene Composite Reinforced by an Effective Load Transfer Reflected in the Extent of Polymer Coating. <i>Macromolecules</i> , 2012, 45, 2841-2849.	2.2	23
14	Room-Temperature Sealing of Microcavities by Cold Metal Welding. <i>Journal of Microelectromechanical Systems</i> , 2009, 18, 1318-1325.	1.7	20
15	High-Pressure-Induced Microstructural Evolution and Enhancement of Thermal Properties of Nylon-6. <i>Macromolecules</i> , 2010, 43, 10512-10520.	2.2	20
16	Thermal properties and transition studies of multi-wall carbon nanotube/nylon-6 composites. <i>Carbon</i> , 2011, 49, 4858-4866.	5.4	19
17	Digital inkjet functionalization of water-repellent textile for smart textile application. <i>Journal of Materials Science</i> , 2018, 53, 13216-13229.	1.7	18
18	Microstructure, nucleation and thermal properties of high-pressure crystallized MWCNT/nylon-6 composites. <i>Polymer</i> , 2011, 52, 5521-5527.	1.8	17

#	ARTICLE	IF	CITATIONS
19	Solvation of graphite oxide in water-methanol binary polar solvents. <i>Physica Status Solidi (B): Basic Research</i> , 2012, 249, 2568-2571.	0.7	15
20	Effects of ink characteristics and piezo-electric inkjetting parameters on lysozyme activity. <i>Scientific Reports</i> , 2019, 9, 18252.	1.6	15
21	Effects of nanometer-size Laponite disks on thermal conductivity and specific heat of water and ice, and the gelation time. <i>Colloid and Polymer Science</i> , 2015, 293, 901-911.	1.0	14
22	Effective Pretreatment Routes of Polyethylene Terephthalate Fabric for Digital Inkjet Printing of Enzyme. <i>Advanced Materials Interfaces</i> , 2021, 8, 2001882.	1.9	14
23	Characterization and optimization of an inkjet-printed smart textile UV-sensor cured with UV-LED light. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 254, 072023.	0.3	11
24	Effect of physical parameters and temperature on the piezo-electric jetting behaviour of UV-curable photochromic inks. <i>Scientific Reports</i> , 2020, 10, 18841.	1.6	10
25	Nano-Engineering of SWNT Networks for Enhanced Charge Transport at Ultralow Nanotube Loading. <i>Advanced Materials</i> , 2014, 26, 3111-3117.	11.1	9
26	Resource-Efficient Production of a Smart Textile UV Sensor Using Photochromic Dyes: Characterization and Optimization. , 2018, , 251-257.		9
27	Buckminsterfullerene: A Strong, Covalently Bonded, Reinforcing Filler and Reversible Cross-Linker in the Form of Clusters in a Polymer. <i>ACS Macro Letters</i> , 2013, 2, 511-517.	2.3	6
28	SWNT nano-engineered networks strongly increase charge transport in P3HT. <i>Nanoscale</i> , 2014, 6, 11633-11636.	2.8	6
29	Microstructural and property changes in high pressure treated carbon nanotube/polybutadiene composites. <i>Journal of Materials Chemistry</i> , 2011, 21, 13672.	6.7	5
30	Ac impedance of $A_{40}C_{60}$ fullerides under pressure. <i>New Journal of Physics</i> , 2015, 17, 023010.	1.2	5
31	Piezoelectric inkjet printing of tyrosinase (polyphenol oxidase) enzyme on atmospheric plasma treated polyamide fabric. <i>Scientific Reports</i> , 2022, 12, 6828.	1.6	5
32	Polyisoprene single-wall carbon nanotube composites synthesized under high pressure. <i>High Pressure Research</i> , 2008, 28, 587-590.	0.4	4
33	Inkjetting of enzymes. , 2019, , 279-294.		3
34	Thermal Conductivity and Heat Capacity of a Nylon-6 Multi-wall Carbon Nanotube Composite Under Pressure. , 2010, , .		2
35	Sequential Inkjet Printing of Lysozyme and Tyrosinase on Polyamide Fabric: Sustainable Enzyme Binding on Textile Surface. <i>Advanced Materials Interfaces</i> , 0, , 2200723.	1.9	1
36	Carbon Nanotube Networks: Nano-Engineering of SWNT Networks for Enhanced Charge Transport at Ultralow Nanotube Loading (<i>Adv. Mater.</i> 19/2014). <i>Advanced Materials</i> , 2014, 26, 3164-3164.	11.1	0