

Rouxi Chen

List of Publications by Year in descending order

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28
papers

366
citations

1040056

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839539

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28
all docs

28
docs citations

28
times ranked

358
citing authors

#	ARTICLE	IF	CITATIONS
1	Variational iteration method for Bratu-like equation arising in electrospinning. Carbohydrate Polymers, 2014, 105, 229-230.	10.2	65
2	A lotus effect-inspired flexible and breathable membrane with hierarchical electrospinning micro/nanofibers and ZnO nanowires. Materials and Design, 2019, 162, 246-248.	7.0	58
3	Active generation of multiple jets for producing nanofibres with high quality and high throughput. Materials and Design, 2016, 94, 496-501.	7.0	44
4	Bubble rupture in bubble electrospinning. Thermal Science, 2015, 19, 1141-1149.	1.1	24
5	Bubbfil spinning for mass-production of nanofibers. Thermal Science, 2014, 18, 1718-1719.	1.1	20
6	Mechanism of nanofiber crimp. Thermal Science, 2013, 17, 1473-1477.	1.1	18
7	Uniform electric field enabled multi-needles electrospinning head based on trapezoid arrangement. AIP Advances, 2018, 8, .	1.3	18
8	Waterproof and Dustproof of Wild Silk: A Theoretical Explanation. Journal of Nano Research, 0, 22, 61-63.	0.8	13
9	Numerical approach to controlling a moving jet's vibration in an electrospinning system: An auxiliary electrode and uniform electric field. Journal of Low Frequency Noise Vibration and Active Control, 2019, 38, 1687-1698.	2.9	12
10	Highly Selective Adsorption of Plants' Leaves on Nanoparticles. Journal of Nano Research, 2013, 22, 71-84.	0.8	11
11	Polymer liquid membrane for nanofiber fabrication. Thermal Science, 2013, 17, 1479-1482.	1.1	10
12	Accurate fabrication of aligned nanofibers via a double-nozzle near-field electrospinning. Thermal Science, 2019, 23, 2143-2150.	1.1	10
13	Effect of temperature on non-linear dynamical property of stuffer box crimping and bubble electrospinning. Thermal Science, 2014, 18, 1049-1053.	1.1	8
14	Transverse vibration of an axially moving slender fiber of viscoelastic fluid in bubbfil spinning and stuffer box crimping. Thermal Science, 2015, 19, 1437-1441.	1.1	8
15	Bio-mimic design of PM2.5 anti-smog masks. Thermal Science, 2014, 18, 1689-1690.	1.1	7
16	Exploring polymer precursors for low-cost high performance carbon fiber: A materials genome approach to finding polyacrylonitrile-co-poly(N-vinyl formamide). Polymer, 2022, 243, 124570.	3.8	7
17	Series solution of the autocatalytic hydrolysis of cellulose. Cellulose, 2015, 22, 3099-3104.	4.9	6
18	Fabrication of nanoporous fibers via bubble electrospinning. Thermal Science, 2014, 18, 1455-1458.	1.1	6

#	ARTICLE	IF	CITATIONS
19	Electricity from nanoparticles on a nanomembrane. Thermal Science, 2015, 19, 351-352.	1.1	3
20	Fractal harmonic law and waterproof/dustproof. Thermal Science, 2014, 18, 1463-1467.	1.1	3
21	Congo red adsorption on metal-organic frameworks, MIL-101 and ZIF-8: kinetics, isotherm and thermodynamic studies. , 0, 94, 211-221.		3
22	Pressure distribution on spinning spinnerets. Thermal Science, 2013, 17, 1533-1537.	1.1	2
23	Nozzle design in a fiber spinning process for a maximal pressure gradient. Thermal Science, 2013, 17, 1529-1532.	1.1	2
24	Optimal spinneret size for improvement of fiber's mechanical property. Thermal Science, 2013, 17, 1501-1503.	1.1	2
25	Electricity from nanomembrane. Thermal Science, 2014, 18, 1720-1721.	1.1	2
26	A new circular spinneret system for electrospinning numerical approach and electric field optimization. Thermal Science, 2019, 23, 2229-2235.	1.1	2
27	A short remark on the molar electronic transition energy ET(30) of the solvatochromic pyridinium N-phenolate betain dye 30. Dyes and Pigments, 2014, 107, 106-107.	3.7	1
28	Superfine crimped nanofibers fabricated by bubbfil electrospinning. Journal of Controlled Release, 2015, 213, e38.	9.9	1