

Joan Rosell-Llompart

List of Publications by Year in descending order

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31
papers

1,589
citations

430754

18
h-index

454834

30
g-index

31
all docs

31
docs citations

31
times ranked

1531
citing authors

#	ARTICLE	IF	CITATIONS
1	Monodisperse droplets and particles by efficient neutralization of electrosprays. <i>Journal of Aerosol Science</i> , 2022, 160, 105909.	1.8	9
2	Patterning with Aligned Electrospun Nanofibers by Electrostatic Deflection of Fast Jets. <i>Advanced Engineering Materials</i> , 2022, 24, .	1.6	6
3	Increasing reaction time in Hummers's™ method towards well exfoliated graphene oxide of low oxidation degree. <i>Ceramics International</i> , 2021, 47, 22130-22137.	2.3	18
4	Ultrafast electrohydrodynamic 3D printing with in situ jet speed monitoring. <i>Materials and Design</i> , 2021, 206, 109791.	3.3	13
5	The Role of Electrical Polarity in Electrospinning and on the Mechanical and Structural Properties of As-Spun Fibers. <i>Materials</i> , 2020, 13, 4169.	1.3	32
6	Back to Normal: An Old Physics Route to Reduce SARS-CoV-2 Transmission in Indoor Spaces. <i>ACS Nano</i> , 2020, 14, 7704-7713.	7.3	88
7	Ultrafast 3D printing with submicrometer features using electrostatic jet deflection. <i>Nature Communications</i> , 2020, 11, 753.	5.8	114
8	Scaling up of extractor-free electrosprays in linear arrays. <i>Chemical Engineering Science</i> , 2019, 195, 281-298.	1.9	6
9	Electrosprays in the cone-jet mode: From Taylor cone formation to spray development. <i>Journal of Aerosol Science</i> , 2018, 125, 2-31.	1.8	180
10	Polymer solution electrospraying: A tool for engineering particles and films with controlled morphology. <i>Journal of Aerosol Science</i> , 2018, 125, 93-118.	1.8	49
11	Synthesis of tungsten carbide on Al-SBA-15 mesoporous materials by carburization. <i>Microporous and Mesoporous Materials</i> , 2016, 219, 19-28.	2.2	17
12	A Comprehensive Framework for the Numerical Simulation of Evaporating Electrosprays. <i>Aerosol Science and Technology</i> , 2015, 49, 436-448.	1.5	21
13	Oriented Single-Walled Carbon Nanotubes as Saturable Absorber for Passive Q-Switching of a Tm:KLuW Microchip Laser. , 2015, , .		0
14	Direct growth of hydrotalcite nanolayers on carbon fibers by electrospinning. <i>Applied Clay Science</i> , 2014, 101, 461-467.	2.6	9
15	Continuous droplets' charge method for the Lagrangian simulation of electrostatic sprays. <i>Journal of Electrostatics</i> , 2014, 72, 357-364.	1.0	12
16	Two-way coupled numerical simulation of electrospray with induced gas flow. <i>Journal of Aerosol Science</i> , 2013, 65, 121-133.	1.8	18
17	Growth dynamics of granular films produced by electrospray. <i>Journal of Colloid and Interface Science</i> , 2013, 407, 536-545.	5.0	38
18	Efficient Lagrangian simulation of electrospray droplets dynamics. <i>Journal of Aerosol Science</i> , 2012, 47, 78-93.	1.8	26

#	ARTICLE	IF	CITATIONS
19	Highly aligned electrospun nanofibers by elimination of the whipping motion. Journal of Applied Polymer Science, 2012, 125, 2433-2441.	1.3	81
20	Ion-assisted collection of Nylon-4,6 electrospun nanofibers. Polymer, 2010, 51, 5221-5228.	1.8	12
21	Turbulence in pneumatic flow focusing and flow blurring regimes. Physical Review E, 2008, 77, 036321.	0.8	48
22	Turbulent transition in impactor jets and its effects on impactor resolution. Journal of Aerosol Science, 2002, 33, 459-476.	1.8	16
23	Solvation studies of electro spray ions method and early results. Journal of the American Society for Mass Spectrometry, 1998, 9, 1241-1247.	1.2	41
24	Differential mobility analysis of molecular ions and nanometer particles. TrAC - Trends in Analytical Chemistry, 1998, 17, 328-339.	5.8	133
25	Determining the Composition of Liquid Droplets in a Gas of Different Composition. Industrial & Engineering Chemistry Research, 1997, 36, 3081-3084.	1.8	14
26	Electrostatic effects in inertial impactors. Journal of Aerosol Science, 1997, 28, 1029-1048.	1.8	18
27	In electro spray ionization, how much pull does an ion need to escape its droplet prison?. Journal of the American Society for Mass Spectrometry, 1997, 8, 1147-1157.	1.2	76
28	Sizing nanoparticles and ions with a short differential mobility analyzer. Journal of Aerosol Science, 1996, 27, 695-719.	1.8	139
29	Generation of monodisperse droplets 0.3 to 4 μ m in diameter from electrified cone-jets of highly conducting and viscous liquids. Journal of Aerosol Science, 1994, 25, 1093-1119.	1.8	237
30	Generation of submicron monodisperse aerosols in electro sprays. Journal of Aerosol Science, 1990, 21, S673-S676.	1.8	84
31	Aerodynamic focusing of heavy molecules in seeded supersonic jets. Journal of Chemical Physics, 1989, 91, 2603-2615.	1.2	34