

# Massimiliano Grosso

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6124953/publications.pdf>

Version: 2024-02-01

32  
papers

451  
citations

623734

14  
h-index

752698

20  
g-index

32  
all docs

32  
docs citations

32  
times ranked

435  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fourier Transform Rheology of Dilute Immiscible Polymer Blends: A Novel Procedure To Probe Blend Morphology. <i>Macromolecules</i> , 2008, 41, 4492-4500.	4.8	65
2	Fourier Transform Rheology as a universal non-linear mechanical characterization of droplet size and interfacial tension of dilute monodisperse emulsions. <i>Journal of Colloid and Interface Science</i> , 2011, 360, 818-825.	9.4	46
3	A closure approximation for nematic liquid crystals based on the canonical distribution subspace theory. <i>Rheologica Acta</i> , 2000, 39, 301-310.	2.4	29
4	Newtonian drop in a Newtonian matrix subjected to large amplitude oscillatory shear flows. <i>Rheologica Acta</i> , 2004, 43, 575-583.	2.4	27
5	Polymorphic behavior of isonicotinamide in cooling crystallization from various solvents. <i>Journal of Crystal Growth</i> , 2016, 450, 81-90.	1.5	27
6	Extensional Flow of a Two-Dimensional Polymer Liquid Crystal. <i>Macromolecules</i> , 1996, 29, 8473-8478.	4.8	24
7	Time evolution of the PSD in crystallization operations: An analytical solution based on Ornstein-Uhlenbeck process. <i>AIChE Journal</i> , 2012, 58, 3731-3739.	3.6	18
8	Stochastic Approach for the Prediction of PSD in Crystallization Processes: Formulation and Comparative Assessment of Different Stochastic Models. <i>Industrial &amp; Engineering Chemistry Research</i> , 2011, 50, 2133-2143.	3.7	16
9	On the global nonlinear stochastic dynamical behavior of a class of exothermic CSTRs. <i>Journal of Process Control</i> , 2011, 21, 1250-1264.	3.3	16
10	Application of combined multivariate techniques for the description of time-resolved powder X-ray diffraction data. <i>Journal of Applied Crystallography</i> , 2017, 50, 451-461.	4.5	16
11	A new methodology for the estimation of drop size distributions of dilute polymer blends based on LAOS flows. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2007, 143, 48-58.	2.4	15
12	Stochastic approach for the calculation of anti-solvent addition policies in crystallization operations: An application to a bench-scale semi-batch crystallizer. <i>Chemical Engineering Science</i> , 2010, 65, 1797-1810.	3.8	15
13	Thermal Properties of Semolina Doughs with Different Relative Amount of Ingredients. <i>Sustainability</i> , 2020, 12, 2235.	3.2	15
14	A stochastic approach for the prediction of PSD in crystallization processes: Analytical solution for the asymptotic behavior and parameter estimation. <i>Computers and Chemical Engineering</i> , 2011, 35, 2318-2325.	3.8	14
15	The Effect of the Relative Amount of Ingredients on the Rheological Properties of Semolina Doughs. <i>Sustainability</i> , 2020, 12, 2705.	3.2	13
16	A qualitative comparison between population balances and stochastic models for non-isothermal antisolvent crystallization processes. <i>Computers and Chemical Engineering</i> , 2014, 63, 82-90.	3.8	12
17	A Geometric Observer-Assisted Approach to Tailor State Estimation in a Bioreactor for Ethanol Production. <i>Processes</i> , 2020, 8, 480.	2.8	12
18	A Chemometric Approach to Assess the Rheological Properties of Durum Wheat Dough by Indirect FTIR Measurements. <i>Food and Bioprocess Technology</i> , 2022, 15, 1040-1054.	4.7	11

#	ARTICLE	IF	CITATIONS
19	An in-depth analysis of biogas production from locally agro-industrial by-products and residues. An Italian case. <i>Renewable Energy</i> , 2021, 179, 308-318.	8.9	9
20	Statistical Health Monitoring Applied to a Metabolomic Study of Experimental Hepatocarcinogenesis: An Alternative Approach to Supervised Methods for the Identification of False Positives. <i>Analytical Chemistry</i> , 2016, 88, 7921-7929.	6.5	7
21	Detection of Nucleation during Cooling Crystallization through Moving Window PCA Applied to in Situ Infrared Data. <i>Organic Process Research and Development</i> , 2017, 21, 966-975.	2.7	7
22	In-Line Monitoring and Control of Rheological Properties through Data-Driven Ultrasound Soft-Sensors. <i>Sensors</i> , 2019, 19, 5009.	3.8	6
23	Multivariable Real-Time Control of Viscosity Curve for a Continuous Production Process of a Non-Newtonian Fluid. <i>Processes</i> , 2018, 6, 12.	2.8	5
24	Global-nonlinear stochastic dynamics of a class of two-state two-parameter non-isothermal continuous stirred tank reactors. <i>Journal of Process Control</i> , 2018, 72, 1-16.	3.3	5
25	Pyrene and Chrysene Tolerance and Biodegradation Capability of <i>Pleurotus Sajor-Caju</i> . <i>Open Chemical Engineering Journal</i> , 2018, 12, 24-35.	0.5	4
26	Broadband Dielectric Spectroscopy (BDS) investigation of molecular relaxations in durum wheat dough at low temperatures and their relationship with rheological properties. <i>LWT - Food Science and Technology</i> , 2022, 161, 113345.	5.2	4
27	A Novel Approach for the Prediction of PSD in Antisolvent Mediated Crystallization. <i>Computer Aided Chemical Engineering</i> , 2009, 27, 291-296.	0.5	3
28	Flow instabilities in rheotens experiments: Analysis of the impacts of the process conditions through neural network modeling. <i>Polymer Engineering and Science</i> , 2013, 53, 1241-1252.	3.1	3
29	Different control strategies for a yeast fermentation bioreactor. <i>IFAC-PapersOnLine</i> , 2021, 54, 306-311.	0.9	3
30	Reaction Monitoring of Cementing Materials through Multivariate Techniques Applied to In Situ Synchrotron X-Ray Diffraction Data. <i>Computer Aided Chemical Engineering</i> , 2015, 37, 1535-1540.	0.5	2
31	On the Prediction and Shaping of the PSD in Crystallization Operations. <i>Computer Aided Chemical Engineering</i> , 2010, 28, 805-810.	0.5	1
32	Dissolution of surfactant mixtures investigated through hyperspectral imaging and multivariate curve resolution. <i>Chemical Engineering Science</i> , 2020, 213, 115378.	3.8	1