

David Chapron

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2748512/publications.pdf>

Version: 2024-02-01

30
papers

445
citations

759055

12
h-index

713332

21
g-index

30
all docs

30
docs citations

30
times ranked

632
citing authors

#	ARTICLE	IF	CITATIONS
1	In-situ microstructural measurements. , 2022, , 73-121.		1
2	In-situ Raman monitoring of the poly(vinylidene fluoride) crystalline structure during a melt-spinning process. Journal of Raman Spectroscopy, 2021, 52, 1073-1079.	1.2	13
3	Data Mining of Polymer Phase Transitions upon Temperature Changes by Small and Wide-Angle X-ray Scattering Combined with Raman Spectroscopy. Polymers, 2021, 13, 4203.	2.0	3
4	In situ conversion monitoring of styrene emulsion polymerization by deconvolution of a single reference band near 1,000 cm ⁻¹ . Journal of Raman Spectroscopy, 2019, 50, 1938-1948.	1.2	11
5	Characterization of oxygen vacancies in SrTiO ₃ by means of anelastic and Raman spectroscopy. Journal of Applied Physics, 2019, 126, .	1.1	23
6	Time evolution of Symmetry-forbidden Raman lines activated by photorefractivity. Scientific Reports, 2019, 9, 13408.	1.6	1
7	Coupling Raman spectroscopy and drop tensiometry for in situ monitoring of radical polymerization in a single monomer droplet. Journal of Raman Spectroscopy, 2018, 49, 2046-2049.	1.2	3
8	Ca doping in BaTiO ₃ crystal: Effect on the Raman spectra and vibrational modes. Journal of Applied Physics, 2017, 121, .	1.1	24
9	Zr doping on lithium niobate crystals: Raman spectroscopy and chemometrics. Journal of Applied Physics, 2017, 121, .	1.1	6
10	Photorefractive Lithium Niobate crystals: light polarisation rotation highlighted by transmission Raman spectroscopy. Journal of Physics: Conference Series, 2017, 867, 012035.	0.3	0
11	On the exploitation of optical signal from Raman spectroscopy for in-situ conversion monitoring of emulsion polymerization. AIP Conference Proceedings, 2017, , .	0.3	3
12	Application of Raman Spectroscopy to Characterization of Residence Time Distribution and Online Monitoring of a Pilot-Scale Tubular Reactor for Acrylic Acid Solution Polymerization. Macromolecular Reaction Engineering, 2016, 10, 406-414.	0.9	12
13	Modular, Flexible, and Continuous Plant for Radical Polymerization in Aqueous Solution. Macromolecular Reaction Engineering, 2016, 10, 339-353.	0.9	21
14	Thermal behavior of high-frequency optical phonons in tetragonal BaTiO ₃ single crystal. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	10
15	Complementarities of high energy WAXS and Raman spectroscopy measurements to study the crystalline phase orientation in polypropylene blends during tensile test. Polymer, 2015, 80, 27-37.	1.8	12
16	Thermal behavior of PVDF/PMMA blends by differential scanning calorimetry and vibrational spectroscopies (Raman and Fourier-Transform Infrared). Polymer Testing, 2015, 48, 120-124.	2.3	21
17	Raman spectroscopy and chemometrics for quantitative analysis of complex flows in an industrial transesterification process. Journal of Raman Spectroscopy, 2014, 45, 941-946.	1.2	6
18	Contribution of Raman Spectroscopy to In Situ Monitoring of a High-Impact Polystyrene Process. Chemical Engineering and Technology, 2014, 37, 275-282.	0.9	11

#	ARTICLE	IF	CITATIONS
19	Temperature dependence of Raman scattering and anharmonic properties in LiNbO ₃ . Applied Physics A: Materials Science and Processing, 2014, 117, 1147-1152.	1.1	14
20	In situ monitoring of acrylic acid polymerization in aqueous solution using rheo-Raman technique. Experimental investigation and theoretical modelling. Chemical Engineering Science, 2014, 106, 242-252.	1.9	15
21	In situ monitoring of styrene polymerization using Raman spectroscopy. Multi-scale approach of homogeneous and heterogeneous polymerization processes. Journal of Raman Spectroscopy, 2013, 44, 909-915.	1.2	35
22	Raman frequency shift induced by photorefractive effect on Fe-doped lithium niobate. Journal of Applied Physics, 2013, 114, 163506.	1.1	8
23	Experimental and multiscale modeling of thermal conductivity and elastic properties of PLA/expanded graphite polymer nanocomposites. Thermochimica Acta, 2013, 552, 106-113.	1.2	74
24	Rheo-Raman: A Promising Technique for In Situ Monitoring of Polymerization Reactions in Solution. Industrial & Engineering Chemistry Research, 2012, 51, 16151-16156.	1.8	19
25	Peculiar reduction of graphene oxide into graphene after diffusion in exponentially growing polyelectrolyte multilayers. Journal of Colloid and Interface Science, 2012, 377, 489-496.	5.0	5
26	Development of new approach based on Raman spectroscopy to study the dispersion of expanded graphite in poly(lactide). Polymer Degradation and Stability, 2011, 96, 2040-2047.	2.7	27
27	Validation of a Rapid Thermal Processing model in steady-state. Microelectronic Engineering, 2008, 85, 2282-2289.	1.1	12
28	Quantum noise in pure third-order fiber parametric amplifiers. , 2008, , .		0
29	<title>Novel real-time monitoring technique of the all-optical poling process</title>. , 2002, , .		2
30	Quasi-phase-matched gratings printed by all-optical poling in polymer films. Optics Letters, 2002, 27, 2028.	1.7	53