

Gulnara Yu Nikolaeva

List of Publications by Year in descending order

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papers

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759233

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#	ARTICLE	IF	CITATIONS
1	Regularity modes in Raman spectra of polyolefins: Part II. Polyethylene and ethylene copolymers. <i>Vibrational Spectroscopy</i> , 2016, 84, 139-145.	2.2	26
2	Raman spectra of polyethylene glycols: Comparative experimental and DFT study. <i>Journal of Molecular Structure</i> , 2020, 1217, 128331.	3.6	26
3	Raman study of ethylene-propylene copolymers and polyethylene-polypropylene reactor blends. <i>Laser Physics</i> , 2008, 18, 554-567.	1.2	23
4	Raman spectra of <i>n</i> -pentane, <i>n</i> -hexane, and <i>n</i> -octadecane: experimental and density functional theory (DFT) study. <i>Laser Physics</i> , 2019, 29, 085701.	1.2	23
5	DFT study of Raman spectra of polyenes and β -carotene: Dependence on length of polyene chain and isomer type. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 255, 119668.	3.9	19
6	Raman study of polyethylene-polypropylene blends. <i>Laser Physics</i> , 2009, 19, 2179-2183.	1.2	17
7	Raman structural study of random copolymers of ethylene with 1-hexene. <i>Laser Physics</i> , 2012, 22, 730-737.	1.2	17
8	Raman Spectroscopic Characterization of the Interlayer Structure of Na ⁺ -Montmorillonite Clay Modified by Ditetradecyl Dimethyl Ammonium Bromide. <i>Journal of Physical Chemistry B</i> , 2009, 113, 7482-7490.	2.6	16
9	Polarized Raman study of random copolymers of propylene with olefins. <i>Laser Physics</i> , 2010, 20, 1354-1367.	1.2	15
10	Raman analysis of polyethylene glycols and polyethylene oxides. <i>Journal of Physics: Conference Series</i> , 2018, 999, 012002.	0.4	15
11	Raman spectra of various polymorphs of isotactic polypropylene. <i>Laser Physics</i> , 2011, 21, 125-129.	1.2	14
12	Raman Structural Study of Copolymers of Propylene with Ethylene and High Olefins. <i>Macromolecular Symposia</i> , 2010, 296, 505-516.	0.7	13
13	Raman Spectroscopy Evaluation of Polyvinylchloride Structure. <i>Journal of Physics: Conference Series</i> , 2016, 691, 012001.	0.4	13
14	Regularity modes in Raman spectra of polyolefins: Part I. Propylene/olefin copolymers. <i>Vibrational Spectroscopy</i> , 2016, 85, 22-28.	2.2	12
15	Raman spectroscopic detection of polyene-length distribution for high-sensitivity monitoring of photo- and thermal degradation of polyvinylchloride. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 252, 119494.	3.9	12
16	Symmetric C-C Stretching Mode Splitting versus CH ₂ -Chain Conformation Order in Sodium Montmorillonite Modified by Cetyltrimethylammonium Bromide. <i>Journal of Physical Chemistry B</i> , 2012, 116, 221-231.	2.6	11
17	Raman structural study of melt-mixed blends of isotactic polypropylene with polyethylene of various densities. <i>Laser Physics</i> , 2018, 28, 045702.	1.2	11
18	Quantitative characterization of the orientation of macromolecules in intercalated nanocomposites of polyolefins/layered silicates by Raman spectroscopy. <i>Laser Physics</i> , 2008, 18, 868-881.	1.2	9

#	ARTICLE	IF	CITATIONS
19	Using Raman spectroscopy to determine the structure of copolymers and polymer blends. Journal of Physics: Conference Series, 2017, 826, 012002.	0.4	9
20	Characterization of the structure of modified clay by Raman spectroscopy. Laser Physics Letters, 2005, 2, 285-291.	1.4	8
21	Raman structural study of reactor blends of ultrahigh molecular weight polyethylene and random ethylene/1-hexene copolymers. Laser Physics, 2013, 23, 025701.	1.2	8
22	Raman Spectroscopy Study of Structurally Uniform Hydrogenated Oligomers of $\hat{1}\pm$ -Olefins. Polymers, 2020, 12, 2153.	4.5	7
23	Correlations among the Raman spectra and the conformational compositions of ethylene glycol, 1,2- and 1,3-propylene glycols. Journal of Molecular Structure, 2021, 1243, 130847.	3.6	5
24	Raman structural study of random copolymers of propylene with 1-pentene. Laser Physics, 2012, 22, 1381-1386.	1.2	3
25	Raman study of uniaxial deformation of single-crystal mats of ultrahigh molecular weight linear polyethylene. Journal of Physics: Conference Series, 2015, 594, 012010.	0.4	3
26	Raman spectroscopic identification of the chemical and conformational compositions of novel hydrogenated 1-hexene oligomers. Laser Physics, 2019, 29, 015701.	1.2	3
27	Analysis of macromolecule orientation in hot drawn polyethylene by polarized Raman spectroscopy. , 2000, 4069, 66.		2
28	Raman Spectroscopy of Novel UHMW Polyethylene-Based Nanocomposites with Nanographite and Nanoclay. Journal of Physics: Conference Series, 2018, 999, 012001.	0.4	2
29	Raman study of orientational order in polymers. Macromolecular Symposia, 2002, 184, 123-136.	0.7	1
30	The treatment of the hyper-Raman scattering by 2LO phonons in semiconductors with equal effective masses of electrons and holes. Laser Physics, 2009, 19, 776-782.	1.2	1
31	New insights into the structure of polypropylene polymorphs and propylene copolymers probed by low-frequency Raman spectroscopy. Journal of Physics: Conference Series, 2017, 826, 012006.	0.4	1
32	Theoretical treatment of the resonant hyper-Raman scattering in A2B6semiconductors. Journal of Physics: Conference Series, 2017, 826, 012004.	0.4	1