Gulnara Yu Nikolaeva

List of Publications by Year
in descending order

32 papers	346 citations	759233 12 h-index	888059 17 g-index
33 all docs	33 docs citations	33 times ranked	263 citing authors

#	Article	IF	Citations
1	Raman spectroscopic detection of polyene-length distribution for high-sensitivity monitoring of photo- and thermal degradation of polyvinylchloride. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 252, 119494.	3.9	12
2	DFT study of Raman spectra of polyenes and ÃŸ-carotene: Dependence on length of polyene chain and isomer type. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 255, 119668.	3.9	19
3	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
4	Raman Spectroscopy Study of Structurally Uniform Hydrogenated Oligomers of Î±-Olefins. Polymers, 2020, 12, 2153.	4.5	7
5	Raman spectra of polyethylene glycols: Comparative experimental and DFT study. Journal of Molecular Structure, 2020, 1217, 128331.	3.6	26
6	Raman spectra of n-pentane, n-hexane, and n-octadecane: experimental and density functional theory (DFT) study. Laser Physics, 2019, 29, 085701.	1.2	23
7	Raman spectroscopic identification of the chemical and conformational compositions of novel hydrogenated 1-hexene oligomers. Laser Physics, 2019, 29, 015701.	1.2	3
8	Raman analysis of polyethylene glycols and polyethylene oxides. Journal of Physics: Conference Series, 2018, 999, 012002.	0.4	15
9	Raman structural study of melt-mixed blends of isotactic polypropylene with polyethylene of various densities. Laser Physics, 2018, 28, 045702.	1.2	11
10	Raman Spectroscopy of Novel UHMW Polyethylene-Based Nanocomposites with Nanographite and Nanoclay. Journal of Physics: Conference Series, 2018, 999, 012001.	0.4	2
11	Using Raman spectroscopy to determine the structure of copolymers and polymer blends. Journal of Physics: Conference Series, 2017, 826, 012002.	0.4	9
12	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
13	Theoretical treatment of the resonant hyper-Raman scattering in A2B6semiconductors. Journal of Physics: Conference Series, 2017, 826, 012004.	0.4	1
14	Raman Spectroscopy Evaluation of Polyvinylchloride Structure. Journal of Physics: Conference Series, 2016, 691, 012001.	0.4	13
15	Regularity modes in Raman spectra of polyolefins: Part II. Polyethylene and ethylene copolymers. Vibrational Spectroscopy, 2016, 84, 139-145.	2.2	26
16	Regularity modes in Raman spectra of polyolefins: Part I. Propylene/olefin copolymers. Vibrational Spectroscopy, 2016, 85, 22-28.	2.2	12
17	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
18	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

#	Article	IF	Citations
19	Raman structural study of random copolymers of propylene with 1-pentene. Laser Physics, 2012, 22, 1381-1386.	1.2	3
20	Symmetric Câ€“C Stretching Mode Splitting versus CH‹sub›2‹/sub›-Chain Conformation Order in Sodium Montmorillonite Modified by Cetyltrimethylammonium Bromide. Journal of Physical Chemistry B, 2012, 116, 221-231.	2.6	11
21	Raman structural study of random copolymers of ethylene with 1-hexene. Laser Physics, 2012, 22, 730-737.	1.2	17
22	Raman spectra of various polymorphs of isotactic polypropylene. Laser Physics, 2011, 21, 125-129.	1.2	14
23	Polarized Raman study of random copolymers of propylene with olefins. Laser Physics, 2010, 20, 1354-1367.	1.2	15
24	Raman Structural Study of Copolymers of Propylene with Ethylene and High Olefins. Macromolecular Symposia, 2010, 296, 505-516.	0.7	13
25	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
26	Raman study of polyethylene-polypropylene blends. Laser Physics, 2009, 19, 2179-2183.	1.2	17
27	Raman Spectroscopic Characterization of the Interlayer Structure of Na+-Montmorillonite Clay Modified by Ditetradecyl Dimethyl Ammonium Bromide. Journal of Physical Chemistry B, 2009, 113, 7482-7490.	2.6	16
28	Raman study of ethylene-propylene copolymers and polyethylene-polypropylene reactor blends. Laser Physics, 2008, 18, 554-567.	1.2	23
29	Quantitative characterization of the orientation of macromolecules in intercalated nanocomposites of polyolefins/layered silicates by Raman spectroscopy. Laser Physics, 2008, 18, 868-881.	1.2	9
30	Characterization of the structure of modified clay by Raman spectroscopy. Laser Physics Letters, 2005, 2, 285-291.	1.4	8
31	Raman study of orientational order in polymers. Macromolecular Symposia, 2002, 184, 123-136.	0.7	1
32	Analysis of macromolecule orientation in hot drawn polyethylene by polarized Raman spectroscopy. , 2000, 4069, 66.		2