

Nikolay Nr Prokopchuk

List of Publications by Year in descending order

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37
papers

120
citations

1478505

6
h-index

1372567

10
g-index

38
all docs

38
docs citations

38
times ranked

90
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigations of imidization of polypyromellitamide acids and thermal degradation of polypyromellitimides by mass spectrometric thermal analysis. <i>Thermochimica Acta</i> , 1979, 28, 333-347.	2.7	22
2	Polynaphthalimide is a new polymer for organic electroluminescence devices. <i>Synthetic Metals</i> , 2001, 119, 129-130.	3.9	15
3	Correlation of chain configurations, structure and mechanical properties of fibres of polypyromellitimide series. <i>Polymer Science USSR</i> , 1976, 18, 807-814.	0.2	13
4	Thermal stability and thermal decomposition study of hindered amine light stabilizers. <i>Thermochimica Acta</i> , 2007, 459, 1-8.	2.7	11
5	Estimation of parameters that correlate molecular structure of hindered amines with their stabilizing efficiency. <i>Polymer Degradation and Stability</i> , 2003, 82, 169-172.	5.8	8
6	The influence of the structure of the dianhydride fragment on intermolecular interactions in linear polyimides and their properties. <i>Polymer Degradation and Stability</i> , 1999, 66, 1-4.	5.8	7
7	Effect of molecular orientation and crystallization on mechanical properties of oriented polypyromellitimides. <i>Polymer Science USSR</i> , 1977, 19, 1297-1304.	0.2	6
8	Relationships between glass transition and melting temperatures and chemical structures of polypyromellitimides. <i>Journal of Theoretical Biology</i> , 1977, 12, 187-195.	1.7	5
9	Improvement of the service properties of elastomer compositions by introduction of carbon nanomaterials. <i>Journal of Engineering Physics and Thermophysics</i> , 2012, 85, 1086-1091.	0.6	5
10	Kinetics of thermal degradation of macromolecular petroleum compounds in the presence of fatty acid triglycerides. <i>Petroleum Chemistry</i> , 2014, 54, 111-119.	1.4	4
11	Elasticity of the crystal lattices of novel polyimides and fragments of polyimide chains. <i>Polymer Mechanics</i> , 1977, 12, 685-690.	0.1	3
12	Intermolecular interaction energy and mechanical properties of graft copolymers of polyethylene and acrylic acid. <i>Journal of Polymer Science, Polymer Letters Edition</i> , 1984, 22, 153-158.	0.4	3
13	Thermal properties of films of polyethylene with graft polyacrylic acid. <i>Journal of Thermal Analysis</i> , 1988, 34, 55-64.	0.6	3
14	Estimation of Heat- and Radiation Stability in Elastomers. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 1994, 24, 91-94.	3.4	3
15	Thermal and mechanical properties of metal-containing polypyromellitimides. <i>Materials Research Innovations</i> , 2001, 4, 104-106.	2.3	3
16	Thermo-mechanical study of relaxation effects in polymers. <i>Polymer Science USSR</i> , 1977, 19, 1839-1850.	0.2	2
17	Strengthening of polyethylene terephthalate fibres by intramolecular stabilization of the polymer. <i>Polymer Science USSR</i> , 1985, 27, 2928-2934.	0.2	2
18	Thermomechanical properties of polypyromellitimide fibres. <i>Fibre Chemistry</i> , 1977, 8, 627-632.	0.2	1

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19	Temperature dependence of activation energy for mechanical failure of polymeric materials. <i>Strength of Materials</i> , 1984, 16, 1397-1402.	0.5	1
20	Mechanical and thermomechanical properties of highly basic anion-exchange fibres based on polypropylene containing grafted-on polystyrene. <i>Fibre Chemistry</i> , 1986, 17, 272-275.	0.2	1
21	Thermal Stability of Mono- and Polycyclic Peroxyalcohols and Their Derivatives by Thermal Analysis. <i>Russian Journal of General Chemistry</i> , 2001, 71, 102-108.	0.8	1
22	Thermal stabilizing activity of polydisulfides in polyethylene studied by oxygen uptake and thermogravimetric analysis. <i>Polymer Degradation and Stability</i> , 2005, 88, 468-472.	5.8	1
23	Thermal and thermooxidative degradation of polyimide fibres. <i>Fibre Chemistry</i> , 1977, 9, 33-37.	0.2	0
24	Determination of the mutual packing of the macrochains of the polyimide PMF1 in the atom-atom approximation. <i>Journal of Structural Chemistry</i> , 1978, 19, 86-90.	1.0	0
25	Elastic properties of oriented polyaryleneimides. <i>Polymer Mechanics</i> , 1979, 14, 778-782.	0.1	0
26	Thermo-mechanical properties of oriented cycloaliphatic polyimides. <i>Polymer Science USSR</i> , 1979, 21, 3068-3072.	0.2	0
27	Effect of decreasing intermolecular interaction in the contact of synthetic fibres with water on fibre strength. <i>Fibre Chemistry</i> , 1986, 17, 210-213.	0.2	0
28	Prediction of heat and light stability of poly(ethylene terephthalate). <i>Polymer Science USSR</i> , 1987, 29, 2358-2364.	0.2	0
29	Synthesis of organic boron compounds and their use to stabilize polyethylene terephthalate. <i>Fibre Chemistry</i> , 1987, 18, 438-441.	0.2	0
30	Effect of aqueous solutions of detergents on intermolecular interaction in synthetic fibres and on their strength. <i>Fibre Chemistry</i> , 1987, 18, 208-209.	0.2	0
31	ESR and IR spectroscopic study of change in intermolecular interactions during orientational drawing of poly(ethylene terephthalate). <i>Journal of Applied Spectroscopy</i> , 1987, 46, 629-631.	0.7	0
32	¹³ C NMR study of the microstructure of 1,3-polybutadiene. <i>Journal of Applied Spectroscopy</i> , 1992, 57, 655-658.	0.7	0
33	Effect of S-1 heat-stabilizer on the physicomechanical properties of complex polyester yarns. <i>Fibre Chemistry</i> , 1993, 24, 137-139.	0.2	0
34	Resistance to Thermal Oxidative Degradation of Paraform-Modified Rosin and Its Derivatives. <i>Russian Journal of Applied Chemistry</i> , 2002, 75, 1304-1307.	0.5	0
35	Gas-Chromatographic Analysis of Terpenoid-Maleic Adducts. <i>Russian Journal of Applied Chemistry</i> , 2002, 75, 1852-1854.	0.5	0
36	Thermal Stability of Peroxyalkynes. <i>Russian Journal of General Chemistry</i> , 2004, 74, 1031-1037.	0.8	0

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37	Polyfunctional imide-containing oligomer as effective modifier of epoxy 4,4'-isopropylidenediphenol compounds. Russian Journal of Applied Chemistry, 2014, 87, 824-829.	0.5	0