Nikolay Nr Prokopchuk

List of Publications by Year
in descending order

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	Polyfunctional imide-containing oligomer as effective modifier of epoxy 4,4â€²-isopropylidenediphenol compounds. Russian Journal of Applied Chemistry, 2014, 87, 824-829.	0.5	0
2	Kinetics of thermal degradation of macromolecular petroleum compounds in the presence of fatty acid triglycerides. Petroleum Chemistry, 2014, 54, 111-119.	1.4	4
3	Improvement of the service properties of elastomer compositions by introduction of carbon nanomaterials. Journal of Engineering Physics and Thermophysics, 2012, 85, 1086-1091.	0.6	5
4	Thermal stability and thermal decomposition study of hindered amine light stabilizers. Thermochimica Acta, 2007, 459, 1-8.	2.7	11
5	Thermal stabilizing activity of polydisulfides in polyethylene studied by oxygen uptake and thermogravimetric analysis. Polymer Degradation and Stability, 2005, 88, 468-472.	5.8	1
6	Thermal Stability of Peroxyalkynes. Russian Journal of General Chemistry, 2004, 74, 1031-1037.	0.8	0
7	Estimation of parameters that correlate molecular structure of hindered amines with their stabilizing efficiency. Polymer Degradation and Stability, 2003, 82, 169-172.	5.8	8
8	Resistance to Thermal Oxidative Degradation of Paraform-Modified Rosin and Its Derivatives. Russian Journal of Applied Chemistry, 2002, 75, 1304-1307.	0.5	0
9	Gas-Chromatographic Analysis of Terpenoid-Maleic Adducts. Russian Journal of Applied Chemistry, 2002, 75, 1852-1854.	0.5	0
10	Polynaphthalimide is a new polymer for organic electroluminescence devices. Synthetic Metals, 2001, 119, 129-130.	3.9	15
11	Thermal and mechanical properties of metal-containing polypyromellitimides. Materials Research Innovations, 2001, 4, 104-106.	2.3	3
12	Thermal Stability of Mono- and Polycyclic Peroxyalcohols and Their Derivatives by Thermal Analysis. Russian Journal of General Chemistry, 2001, 71, 102-108.	0.8	1
13	The influence of the structure of the dianhydride fragment on intermolecular interactions in linear polyimides and their properties. Polymer Degradation and Stability, 1999, 66, 1-4.	5.8	7
14	Estimation of Heat- and Radiation Stability in Elastomers. International Journal of Polymeric Materials and Polymeric Biomaterials, 1994, 24, 91-94.	3.4	3
15	Effect of S-1 heat-stabilizer on the physicomechanical properties of complex polyester yarns. Fibre Chemistry, 1993, 24, 137-139.	0.2	0
16	13C NMR study of the microstructure of 1,3-polytentadiene. Journal of Applied Spectroscopy, 1992, 57, 655-658.	0.7	0
17	Thermal properties of films of polyethylene with graft polyacrylic acid. Journal of Thermal Analysis, 1988, 34, 55-64.	0.6	3
18	Prediction of heat and light stability of poly(ethylene terephthalate). Polymer Science USSR, 1987, 29, 2358-2364.	0.2	0

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19	Synthesis of organic boron compounds and their use to stabilize polyethylene terephthalate. Fibre Chemistry, 1987, 18, 438-441.	0.2	0
20	Effect of aqueous solutions of detergents on intermolecular interaction in synthetic fibres and on their strength. Fibre Chemistry, 1987, 18, 208-209.	0.2	0
21	ESR and IR spectroscopic study of change in intermolecular interactions during orientational drawing of poly(ethylene tetrephthalate). Journal of Applied Spectroscopy, 1987, 46, 629-631.	0.7	0
22	Mechanical and thermomechanical properties of highly basic anion-exchange fibres based on polypropylene containing grafted-on polystyrene. Fibre Chemistry, 1986, 17, 272-275.	0.2	1
23	Effect of decreasing intermolecular interaction in the contact of synthetic fibres with water on fibre strength. Fibre Chemistry, 1986, 17, 210-213.	0.2	0
24	Strengthening of polyethylene terephthalate fibres by intramolecular stabilization of the polymer. Polymer Science USSR, 1985, 27, 2928-2934.	0.2	2
25	Temperature dependence of activation energy for mechanical failure of polymeric materials. Strength of Materials, 1984, 16, 1397-1402.	0.5	1
26	Intermolecular interaction energy and mechanical properties of graft copolymers of polyethylene and acrylic acid. Journal of Polymer Science, Polymer Letters Edition, 1984, 22, 153-158.	0.4	3
27	Investigations of imidization of polypyromellitamido acids and thermal degradation of polypyromellitimides by mass spectrometric thermal analysis. Thermochimica Acta, 1979, 28, 333-347.	2.7	22
28	Elastic properties of oriented polyaryleneimides. Polymer Mechanics, 1979, 14, 778-782.	0.1	0
29	Thermo-mechanical properties of oriented cycloaliphatic polyimides. Polymer Science USSR, 1979, 21, 3068-3072.	0.2	0
30	Determination of the mutual packing of the macrochains of the polyimide PMF1 in the atom-atom approximation. Journal of Structural Chemistry, 1978, 19, 86-90.	1.0	0
31	Effect of molecular orientation and crystallization on mechanical properties of oriented polypyromellitimides. Polymer Science USSR, 1977, 19, 1297-1304.	0.2	6
32	Thermo-mechanical study of relaxation effects in polymers. Polymer Science USSR, 1977, 19, 1839-1850.	0.2	2
33	Relationships between glass transition and melting temperatures and chemical structures of polypyromellitimides. Journal of Theoretical Biology, 1977, 12, 187-195.	1.7	5
34	Thermomechanical properties of polypyromellitimide fibres. Fibre Chemistry, 1977, 8, 627-632.	0.2	1
35	Thermal and thermooxidative degradation of polyimide fibres. Fibre Chemistry, 1977, 9, 33-37.	0.2	0
36	Elasticity of the crystal lattices of novel polyimides and fragments of polyimide chains. Polymer Mechanics, 1977, 12, 685-690.	0.1	3

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37	Correlation of chain configurations, structure and mechanical properties of fibres of polypyromellitimide series. Polymer Science USSR, 1976, 18, 807-814.	0.2	13