

George A Gogotsi

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

193 papers	1,190 citations	18 h-index	29 g-index
203 ext. papers	1,264 ext. citations	2.1 avg, IF	4.52 L-index

#	Paper	IF	Citations
193	Fracture toughness of ceramics and ceramic composites. <i>Ceramics International</i> , 2003 , 29, 777-784	5.1	179
192	Double-Layer Capacitance of Carbide Derived Carbons in Sulfuric Acid. <i>Electrochemical and Solid-State Letters</i> , 2005 , 8, A357		72
191	Crack arrest in Si3N4-based layered composites with residual stress. <i>Composites Science and Technology</i> , 2004 , 64, 1947-1957	8.6	49
190	Vickers and knoop indentation behaviour of cubic and partially stabilized zirconia crystals. <i>Journal of the European Ceramic Society</i> , 1995 , 15, 405-413	6	45
189	Ferroelastic Behavior of LaCoO3-Based Ceramics. <i>Journal of the American Ceramic Society</i> , 2004 , 84, 2029-2033	5.2	43
188	Deformational behaviour of ceramics. <i>Journal of the European Ceramic Society</i> , 1991 , 7, 87-92	6	35
187	Evaluation of fracture resistance of ceramics: Edge fracture tests. <i>Ceramics International</i> , 2007 , 33, 315-320	5.2	30
186	The significance of non-elastic deformation in the fracture of heterogeneous ceramic materials. <i>Ceramurgia International</i> , 1978 , 4, 113-118		30
185	Fracture behaviour of Y-TZP ceramics: New outcomes. <i>Ceramics International</i> , 2010 , 36, 345-350	5.1	28
184	Complex investigation of hot-pressed boron carbide. <i>Journal of the Less Common Metals</i> , 1986 , 117, 225-230		28
183	Strength and fracture toughness of zirconia crystals. <i>Journal of the European Ceramic Society</i> , 1993 , 11, 123-132	6	27
182	Fracture barrier estimation by the edge fracture test method. <i>Ceramics International</i> , 2009 , 35, 1871-1875	5.1	23
181	Crack bifurcation features in laminar specimens with fixed total thickness. <i>Composites Science and Technology</i> , 2002 , 62, 819-830	8.6	23
180	Mechanical behaviour of hot-pressed boron carbide in various atmospheres. <i>Journal of Materials Science Letters</i> , 1988 , 7, 814-816		23
179	Thermal stress behaviour of yttria, scandia and AlN ceramics. <i>Ceramurgia International</i> , 1980 , 6, 31-35		23
178	Fracture resistance of ceramics: Base diagram and R-line. <i>Strength of Materials</i> , 2006 , 38, 261-270	0.6	21
177	Fracture resistance estimation of elastic ceramics in edge flaking: EF baseline. <i>Journal of the European Ceramic Society</i> , 2010 , 30, 1223-1228	6	20

176	Criteria of ceramics fracture (edge chipping and fracture toughness tests). <i>Ceramics International</i> , 2013 , 39, 3293-3300	5.1	18
175	Glasses: New approach to fracture behavior analysis. <i>Journal of Non-Crystalline Solids</i> , 2010 , 356, 1021-1026	5.1	17
174	Fracture behaviour of Mg-PSZ ceramics: Comparative estimates. <i>Ceramics International</i> , 2009 , 35, 2735-2740	5.1	16
173	Strength degradation of Si ₃ N ₄ /SiC-based ceramics in salt environments. <i>Ceramics International</i> , 1986 , 12, 203-208	5.1	16
172	Deformation and strength of engineering ceramics and single crystals. <i>Journal of the European Ceramic Society</i> , 1995 , 15, 271-281	6	15
171	The use of brittleness measure (β) to represent mechanical behaviour of ceramics. <i>Ceramics International</i> , 1989 , 15, 127-129	5.1	15
170	The problem of the classification of low-deformation materials based on the features of their behavior under load. <i>Strength of Materials</i> , 1977 , 9, 77-83	0.6	15
169	Mechanical property characterization of a 9 mol% Ce-TZP ceramic material II. Flexural response. <i>Journal of the European Ceramic Society</i> , 1995 , 15, 1185-1192	6	14
168	Mechanical behaviour of yttria- and ferric oxide-doped zirconia at different temperatures. <i>Ceramics International</i> , 1998 , 24, 589-595	5.1	13
167	Classification of ceramics and glass (edge chipping and fracture toughness). <i>Ceramics International</i> , 2014 , 40, 5591-5596	5.1	12
166	Corrosion of Hard Materials		12
165	Synthesis and properties of ceramics in the SiC-B ₄ C-MeB ₂ system. <i>Powder Metallurgy and Metal Ceramics</i> , 2000 , 39, 239-250	0.8	12
164	Mechanical property characterization of 9 Mol% Ce-TZP ceramic material III. Fracture toughness. <i>Journal of the European Ceramic Society</i> , 1996 , 16, 545-551	6	12
163	Acoustic Emission During Micro- and Macrocrack Growth in Mg-PSZ. <i>Journal of the American Ceramic Society</i> , 1991 , 74, 1922-1927	3.8	12
162	Glass fracture in edge flaking. <i>Strength of Materials</i> , 2007 , 39, 639-645	0.6	11
161	Zirconia crystals suitable for medicine: 1. Implants. <i>Ceramics International</i> , 1994 , 20, 343-348	5.1	10
160	Edge chipping resistance of ceramics: Problems of test method. <i>Journal of Advanced Ceramics</i> , 2013 , 2, 370-377	10.7	9
159	Flaking Toughness Of Advanced Ceramics: Ancient Principle Revived In Modern Times. <i>Materials Research Innovations</i> , 2006 , 10, 179-186	1.9	9

158	Glass Fracture during Micro-Scratching. <i>Surfaces</i> , 2020 , 3, 211-224	2.9	8
157	Mechanical behaviour of a silicon nitride particulate ceramic composite. <i>Ceramics International</i> , 2009 , 35, 1109-1114	5.1	8
156	Fracture toughness studies on V-notched ceramic specimens. <i>Strength of Materials</i> , 2000 , 32, 81-85	0.6	8
155	Hardness and fracture toughness of tetragonal zirconia single crystals. <i>Journal of Materials Science Letters</i> , 1995 , 14, 46-49		8
154	Test Methods of Advanced Ceramics - Reasonable Approaches to Certification of Ceramics. <i>Key Engineering Materials</i> , 1991 , 56-57, 419-434	0.4	8
153	Numerical modeling edge chipping tests of ceramics. <i>Engineering Fracture Mechanics</i> , 2014 , 132, 38-47	4.2	7
152	Sensitivity of Silicon Carbide and Other Ceramics to Edge Fracture: Method and Results. <i>Ceramic Engineering and Science Proceedings</i> , 237-246	0.1	7
151	Statistical studies of the strength of inelastic ceramics. <i>Ceramics International</i> , 1982 , 8, 22-26	5.1	7
150	Fracture Resistance of Ceramics: Direct Measurements. <i>Advances in Science and Technology</i> , 2006 , 45, 95-100	0.1	6
149	Fracture Resistance of Ceramics upon Edge Chipping. <i>Strength of Materials</i> , 2004 , 36, 545-547	0.6	6
148	Local stochastic analysis of microcracking and non-elastic behavior of ceramics. <i>Theoretical and Applied Fracture Mechanics</i> , 2001 , 36, 115-123	3.7	6
147	Indentation fracture of Y2O3-partially stabilized ZrO2 crystals. <i>Journal of Materials Science Letters</i> , 1995 , 14, 1406-1409		6
146	Stress corrosion of silicon nitride based ceramics. <i>Ceramics International</i> , 1989 , 15, 305-310	5.1	6
145	Comparative analysis of fracture toughness test methods for ceramics and crystals at room and lower temperatures. <i>Strength of Materials</i> , 1997 , 29, 287-297	0.6	5
144	Fracture Resistance of Ceramics: Edge Fracture Method. <i>Strength of Materials</i> , 2005 , 37, 499-505	0.6	5
143	Fracture toughness testing of materials by the EF method. <i>Inorganic Materials</i> , 2006 , 42, 567-572	0.9	4
142	Zirconia crystals with yttrium and cerium oxides. <i>Refractories</i> , 1995 , 36, 199-207		4
141	Mechanical behaviour of partially stabilized zirconia crystals with terbia and ceria additives. <i>Journal of the European Ceramic Society</i> , 1995 , 15, 1177-1184	6	4

140	Mechanical behavior of zirconium dioxide crystals partially stabilized with yttrium oxide. <i>Strength of Materials</i> , 1991 , 23, 86-91	0.6	4
139	Mechanical properties of zirconium dioxide single crystals intended for structural applications. <i>Refractories</i> , 1991 , 32, 398-403		4
138	The effect of SiO ₂ on high-temperature deformation and strength of zirconia-toughened alumina. <i>Journal of Materials Science</i> , 1991 , 26, 4637-4642	4.3	4
137	Strength and crack resistance of zirconium dioxide crystals containing yttrium and terbium oxides. <i>Refractories</i> , 1993 , 34, 303-312		4
136	Investigation of a ceramic in indentation of a Vickers diamond pyramid. <i>Strength of Materials</i> , 1990 , 22, 1306-1313	0.6	4
135	A method of investigating refractory nonmetallic materials in linear thermal loading. <i>Strength of Materials</i> , 1978 , 10, 406-413	0.6	4
134	Determination of brittleness of refractories tested for heat resistance. <i>Strength of Materials</i> , 1973 , 5, 1186-1189	0.6	4
133	Deformation, Fracture Resistance and Heat Resistance of Elastic and Inelastic Ceramics. <i>Strength of Materials</i> , 2013 , 45, 248-255	0.6	3
132	Fracture resistance of technical and optical glasses: edge flaking of specimens. <i>Strength of Materials</i> , 2010 , 42, 280-286	0.6	3
131	Crack Resistance of Modern Ceramics and Ceramic Composites. Part 1. SEVNB-Method. <i>Powder Metallurgy and Metal Ceramics</i> , 2004 , 43, 371-382	0.8	3
130	A micro-Raman study of phase transformations of zirconia crystals upon introduction of a vickers indenter. <i>Refractories and Industrial Ceramics</i> , 2000 , 41, 191-195	1.1	3
129	Fracture toughness, strength, and other characteristics of yttria-stabilized zirconium ceramics. <i>Refractories and Industrial Ceramics</i> , 2000 , 41, 257-263	1.1	3
128	The effects of air and sodium salts on the strength of silicon-nitride-based ceramics. <i>Materials at High Temperatures</i> , 1991 , 9, 209-216	1.1	3
127	Deformation characteristics of cubic single crystals of ZrO ₂ . <i>Refractories</i> , 1992 , 33, 152-158		3
126	Thermal-shock resistance of heterogeneous ceramics and refractories. <i>Refractories</i> , 1993 , 34, 539-547		3
125	High-temperature oxidation of sintered lanthanum hexaboride. <i>Soviet Powder Metallurgy and Metal Ceramics (English Translation of Poroshkovaya Metallurgiya)</i> , 1987 , 26, 914-917		3
124	Modern approach to estimates of the heat resistance of brittle materials. <i>Strength of Materials</i> , 1974 , 6, 667-674	0.6	3
123	A system for automatic programmed temperature control (PRT-1). <i>Strength of Materials</i> , 1969 , 1, 104-106.6		3

122	Investigation of fracture in aluminum silicate refractoris containing boron nitride. <i>Strength of Materials</i> , 1970 , 2, 253-256	0.6	3
121	Instrumented indentation study of materials edge chipping. <i>Ceramics International</i> , 2021 , 47, 29638-29645	1.1	3
120	Unified curve of the edge chipping resistance in connection with the rounding radius indenter. <i>Engineering Fracture Mechanics</i> , 2017 , 178, 265-278	4.2	2
119	Raman spectroscopy and mechanical behavior of zirconia materials. <i>Refractories and Industrial Ceramics</i> , 1997 , 38, 224-230	1.1	2
118	Strain and Fracture of a Ceramic Based on Lanthanum Chromite. <i>Refractories and Industrial Ceramics</i> , 2002 , 43, 237-246	1.1	2
117	The Mechanical Behavior of Lanthanum Cobaltite-Based Perovskites with a Mixed Ion-Electron Conductivity at Different Temperatures. <i>Refractories and Industrial Ceramics</i> , 2001 , 42, 341-346	1.1	2
116	Deformation features of ceramics during heating. <i>Refractories</i> , 1992 , 33, 28-34		2
115	Corrosion-mechanical failure of silicon nitride ceramic under the action of salts. <i>Strength of Materials</i> , 1989 , 21, 918-922	0.6	2
114	Mechanical properties and special features of the structure of materials based on boron carbide. <i>Soviet Powder Metallurgy and Metal Ceramics (English Translation of Poroshkovaya Metallurgiya)</i> , 1987 , 26, 589-594		2
113	Strength and crack resistance of ceramics. Report 3. A silicon carbide ceramic. <i>Strength of Materials</i> , 1987 , 19, 674-677	0.6	2
112	A machine for determination of the mechanical properties of ceramics at high temperatures. <i>Strength of Materials</i> , 1988 , 20, 558-562	0.6	2
111	Strength and crack resistance of ceramics. Report No. 2. Silicon Nitride Ceramic. <i>Strength of Materials</i> , 1984 , 16, 1656-1660	0.6	2
110	Determining the strength of refractories with account taken of the true relation between the stress and deformation. <i>Refractories</i> , 1976 , 17, 45-51		2
109	Refractory ceramic under thermal shock loading. <i>Strength of Materials</i> , 1977 , 9, 717-721	0.6	2
108	Method for the investigation of brittle materials using tubular specimens. <i>Strength of Materials</i> , 1970 , 2, 202-206	0.6	2
107	Experimental investigation of the deformed state of thermally loaded samples of refractory materials. <i>Strength of Materials</i> , 1972 , 4, 497-500	0.6	2
106	Fracture Toughness Studies on Ceramics and Ceramic Particulate Composites at Different Temperatures	199-199	14
105	The Significance of Non-Elastic Deformation in the Thermal Shock Fracture of Heterogeneous Ceramic Materials	1993 , 279-291	2

104	Influence of Heating Rate on the Thermal Strain Induced Fracture of Mg-PSZ Samples 1993 , 293-305		2
103	EVALUATION OF CERAMIC FRACTURE CAUSED BY THERMAL SHOCK 1984 , 2701-2709		2
102	Investigation of Thermal Shock Resistance of Ceramic Materials Under Programmed Heating 1980 , 591-606		2
101	Elastic-inelastic and inelastic-elastic transitions in ZrO ₂ materials. <i>Journal of the European Ceramic Society</i> , 1997 , 17, 1213-1215	6	1
100	Deformation behavior of zirconias. <i>Strength of Materials</i> , 1998 , 30, 638-644	0.6	1
99	Fracture Resistance of Residually-Stressed Ceramic Laminated Structures. <i>Strength of Materials</i> , 2004 , 36, 291-303	0.6	1
98	A Specific Feature in the Fracture of Polycrystalline Zirconia Ceramic. <i>Refractories and Industrial Ceramics</i> , 2002 , 43, 117-119	1.1	1
97	Statistical Evaluation of Microcracking of Inelastic Ceramics. <i>Strength of Materials</i> , 2002 , 34, 349-358	0.6	1
96	Bifurcation of Cracks in Laminated Ceramic Composites with Rigid Interlaminar Bonds. <i>Strength of Materials</i> , 2003 , 35, 248-259	0.6	1
95	Strength and Fracture Toughness of Ceramic Materials for Metal-Ceramic Prosthetic Dentistry. <i>Strength of Materials</i> , 2005 , 37, 323-330	0.6	1
94	Micro-raman studies on materials based on zirconium dioxide. <i>Powder Metallurgy and Metal Ceramics</i> , 1999 , 38, 186-192	0.8	1
93	Indentation resistance of zirconia ceramics and crystals. <i>Refractories</i> , 1996 , 37, 73-82		1
92	Problem of evaluating the crack resistance in ceramics of Si ₃ N ₄ and ZrO ₂ . <i>Refractories</i> , 1996 , 37, 21-26		1
91	Deformation behaviour of partially stabilized ZrO ₂ crystals in the temperature range of tetragonal-to-monoclinic transformation. <i>Journal of Materials Science Letters</i> , 1996 , 15, 1467-1470		1
90	Certifying advanced ceramics on the basis of mechanical properties. <i>Strength of Materials</i> , 1994 , 26, 55-62.6		1
89	Deformation and fracture of CeO ₂ -stabilized zirconia ceramics. I. Strength and deformability. <i>Refractories</i> , 1995 , 36, 9-13		1
88	Strength, fracture toughness, and acoustic emission of ceramics based on partially stabilized zirconium dioxide. <i>Strength of Materials</i> , 1991 , 23, 45-51	0.6	1
87	Behavior of polycrystalline zirconium dioxide and single crystals during indentation. <i>Refractories</i> , 1992 , 33, 453-461		1

86	Influence of oxidation on the destruction of self-bonded silicon carbide. <i>Refractories</i> , 1989 , 30, 84-90		1
85	Behavior of hot-pressed boron carbide at high temperatures. II. Strength. <i>Soviet Powder Metallurgy and Metal Ceramics (English Translation of Poroshkovaya Metallurgiya)</i> , 1989 , 28, 487-490		1
84	Specification of ceramics with respect to their mechanical properties. experimental equipment. <i>Refractories</i> , 1988 , 29, 555-558		1
83	Mechanical behavior of ceramics not following Hooke's law. <i>Soviet Powder Metallurgy and Metal Ceramics (English Translation of Poroshkovaya Metallurgiya)</i> , 1988 , 27, 908-913		1
82	Strength and crack resistance of ceramics based on zirconium dioxide. <i>Strength of Materials</i> , 1988 , 20, 61-64	0.6	1
81	Controlling surface defects in assessing thermal damage to porous ceramics using the luminescent capillary method. <i>Refractories</i> , 1984 , 25, 274-277		1
80	Thermal failure of refractories with the use of the acoustic-emission method. <i>Refractories</i> , 1984 , 25, 397-404		1
79	Using the ultrasonic spectral method for assessing thermal damage to refractory ceramics. <i>Refractories</i> , 1984 , 25, 219-222		1
78	Evaluation of the life of ceramics from subcritical crack growth parameters. <i>Strength of Materials</i> , 1985 , 17, 210-214	0.6	1
77	Use of nondestructive testing methods in evaluation of thermal damage for ceramics under conditions of nonstationary thermal effects. <i>Strength of Materials</i> , 1985 , 17, 52-56	0.6	1
76	Crack resistance of a constructional ceramic. <i>Strength of Materials</i> , 1985 , 17, 445-451	0.6	1
75	Acoustic emission studies of the strength of ceramics under mechanical and thermal loads. <i>Strength of Materials</i> , 1982 , 14, 419-425	0.6	1
74	Thermal shock resistance and mechanical characteristics of materials based on zirconium dioxide. <i>Strength of Materials</i> , 1974 , 6, 732-736	0.6	1
73	Thermal stress resistance of a corundum ceramic with magnesium oxide added. <i>Refractories</i> , 1969 , 10, 511-514		1
72	Determination of thermal stability and thermophysical characteristics of corundum materials. <i>Strength of Materials</i> , 1971 , 3, 89-93	0.6	1
71	ACOUSTIC EMISSION DURING DEFORMATION AND FRACTURE OF CERAMICS 1983 , 67-73		1
70	Edge Fracture Resistance of Glasses: Different Conical Indenters and the Fracture Initiation Barrier. <i>Strength of Materials</i> , 2016 , 48, 365-370	0.6	1
69	General regularities of edge chipping tests for ceramics in the case of conical indenters with different rounding tip. <i>Mechanics of Materials</i> , 2019 , 132, 86-92	3.3	0

- 68 Acoustic emission in the deformation and failure of corundum refractories. *Refractories*, **1986**, 27, 200-204 o
- 67 Effect of boron nitride addition on some properties of aluminosilicate refractories. *Refractories*, **1968**, 9, 229-232 o
- 66 Specific Features of Glass Damage and Fracture Resistance under the Rockwell Indenter Scratching of the Specimen Surface until the Edge Chipping Appearance. *Strength of Materials*, **2020**, 52, 243-251 o.6
- 65 Crack resistance of ceramics and composites with ceramic matrix (SEVNB method). *Refractories and Industrial Ceramics*, **1998**, 39, 397-403 1.1
- 64 Crack resistance of modern ceramics and ceramic composites. II. EF method. *Powder Metallurgy and Metal Ceramics*, **2006**, 45, 328-336 o.8
- 63 Fracture toughness anisotropy of partially stabilized ZrO₂ crystals in the plane (001). *Strength of Materials*, **1999**, 31, 492-498 o.6
- 62 Deformation and fracture of zirconia ceramics stabilized by CeO₂. II. Crack resistance. *Refractories*, **1995**, 36, 78-81
- 61 Mechanical behavior of zirconium dioxide-based ceramics and crystals. Communication 2. Indentation tests. *Strength of Materials*, **1995**, 27, 441-447 o.6
- 60 Mechanical behavior of zirconium dioxide-based ceramics and crystals. Communication 1. Bending tests. *Strength of Materials*, **1995**, 27, 387-391 o.6
- 59 Crack resistance and other characteristics of ceramics of partially stabilized zirconia with an iron oxide additive. *Refractories*, **1996**, 37, 35-42
- 58 Mechanical behavior of zirconium dioxide crystals with additions of oxides of yttrium and cerium. *Powder Metallurgy and Metal Ceramics*, **1996**, 34, 558-565 o.8
- 57 Physical properties of rammed baddeleyite bodies. *Refractories*, **1991**, 32, 355-357
- 56 Partially stabilized ZrO₂ ceramic and its behavior under load. *Refractories*, **1991**, 32, 3-9
- 55 Mechanical behavior of the ceramics based on ZrO₂. *Soviet Powder Metallurgy and Metal Ceramics (English Translation of Poroshkovaya Metallurgiya)*, **1991**, 30, 853-858
- 54 Healing of cracks in glass. *Glass and Ceramics (English Translation of Steklo I Keramika)*, **1992**, 49, 118-122 o.6
- 53 Hardness and cracking resistance of structural ceramics. *Soviet Materials Science*, **1992**, 27, 222-227
- 52 Deformation and destruction of self-bonded silicon carbide under different loading rates. *Refractories*, **1989**, 30, 626-629
- 51 Ceramics based on partially stabilized zirconium dioxide. *Refractories*, **1990**, 31, 265-268

- 50 Effect of composition on mechanical properties of silicon nitride-based material. *Soviet Powder Metallurgy and Metal Ceramics (English Translation of Poroshkovaya Metallurgiya)*, **1986**, 25, 156-159
- 49 Effect of anisotropy for refractories on features of their failure with thermal loads. *Strength of Materials*, **1986**, 18, 65-68 o.6
- 48 Strength of corundum concretes. *Refractories*, **1986**, 27, 311-317
- 47 Predicting the mechanical behavior of ceramics and refractories from their typical brittleness values. *Refractories*, **1986**, 27, 624-629
- 46 Evaluation of the heat resistance of new cordierite-base materials. *Refractories*, **1986**, 27, 194-197
- 45 The brittleness index of corundum-based concretes. *Refractories*, **1986**, 27, 381-384
- 44 Strength and crack resistance of ceramics. Communication 4. Ceramics based on boron carbide. *Strength of Materials*, **1987**, 19, 1359-1363 o.6
- 43 Criterionial evaluation of thermal destruction of corundum concretes. *Refractories*, **1988**, 29, 265-273
- 42 Effectiveness of the acoustic-emission method for evaluating the strength properties of ceramics and refractories depending on the specific features of their deformation. *Refractories*, **1988**, 29, 343-349
- 41 Specification of ceramics with reference to their mechanical properties. Methodological aspects. *Refractories*, **1988**, 29, 471-476
- 40 Effect of structural factors on the effectiveness of evaluating the mechanical properties of ceramics and refractories using active acoustic methods. *Refractories*, **1988**, 29, 80-87
- 39 System for automated collection and processing of results of strength and thermal-stability studies in ceramics. *Strength of Materials*, **1984**, 16, 752-757 o.6
- 38 Action of salts on the strength and crack resistance of silicon nitride ceramics. *Strength of Materials*, **1984**, 16, 1515-1519 o.6
- 37 Automated system for investigating the thermal stability of ceramic and refractory materials. *Strength of Materials*, **1984**, 16, 905-908 o.6
- 36 Mechanical behavior of cordierite under force and thermal stresses. *Refractories*, **1984**, 25, 506-511
- 35 Thermal damage to corundum refractory. *Refractories*, **1984**, 25, 140-144
- 34 Determination of the crack resistance of a ceramic in bending of beams with a notch. *Soviet Powder Metallurgy and Metal Ceramics (English Translation of Poroshkovaya Metallurgiya)*, **1985**, 24, 59-63
- 33 Strength of ceramic materials under mechanical and thermal actions. Communication 1. Yttrium oxide. *Strength of Materials*, **1979**, 11, 1120-1124 o.6

- 32 Strength of silicon nitride base materials. *Strength of Materials*, **1979**, 11, 758-763 o.6
- 31 Design strength of ceramics for use in elements of gas-turbine engines. *Strength of Materials*, **1980**, 12, 403-411 o.6
- 30 A study of the strength of ceramic materials in the presence of thermal and force effects. Part 2. Scandium oxide. *Strength of Materials*, **1980**, 12, 429-434 o.6
- 29 Effect of machining on the strength of oxidic ceramic materials. *Strength of Materials*, **1980**, 12, 349-353 o.6
- 28 Test procedure with four-point loading. *Strength of Materials*, **1981**, 13, 244-249 o.6
- 27 Statistical investigation of the strength of silicon nitride materials. *Soviet Powder Metallurgy and Metal Ceramics (English Translation of Poroshkovaya Metallurgiya)*, **1981**, 20, 141-147
- 26 Subcritical crack growth in sintered materials. *Soviet Powder Metallurgy and Metal Ceramics (English Translation of Poroshkovaya Metallurgiya)*, **1982**, 21, 574-578
- 25 Acoustic-emission signal system for determining the thermal-shock resistance of ceramics. *Glass and Ceramics (English Translation of Steklo I Keramika)*, **1982**, 39, 209-211 o.6
- 24 The brittleness of refractories. *Refractories*, **1974**, 15, 115-117
- 23 The present state and future development of the theory of thermal strength. *Refractories*, **1974**, 15, 565-571
- 22 Investigation of certain problems related to the failure of thermally loaded refractories. *Strength of Materials*, **1974**, 6, 589-592 o.6
- 21 Strength of reinforced refractory materials communication 1. Determination of mechanical characteristics in bend tests. *Strength of Materials*, **1975**, 7, 1454-1458 o.6
- 20 Communication 2. Study of heat resistance under various thermal loading conditions. *Strength of Materials*, **1975**, 7, 1459-1463 o.6
- 19 Thermal strength of refractory materials under program-controlled thermal loads. *Refractories*, **1976**, 17, 572-576
- 18 Investigation of deformation properties of silicon-carbide-containing materials. *Glass and Ceramics (English Translation of Steklo I Keramika)*, **1976**, 33, 645-649 o.6
- 17 Fracture characteristics of ceramic materials during thermal impact loading. *Strength of Materials*, **1977**, 9, 877-882 o.6
- 16 Analysis of stress-strain diagrams and classification of low-deforming materials by their behavior under stress. *Strength of Materials*, **1978**, 10, 347-351 o.6
- 15 Classification of refractories in terms of brittleness and the determination of their thermal-shock resistance. *Refractories*, **1978**, 19, 248-254

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- 13 Determination of heat resistance of inhomogeneous refractory materials. *Strength of Materials*, **1969**, 1, 258-263 o.6
- 12 Automatic program temperature regulator APRT-1. *Refractories and Industrial Ceramics*, **1970**, 11, 695-697
- 11 Program-controlled radiation heater. *Strength of Materials*, **1970**, 2, 699-702 o.6
- 10 Estimating the accuracy in the determination of the thermostability of refractory materials. *Strength of Materials*, **1973**, 5, 1124-1129 o.6
- 9 Standardized assessment of the thermal deterioration of nonhomogeneous refractory materials. *Refractories*, **1973**, 14, 633-639
- 8 Study of thermal shock resistance of fired and unfired zirconia refractories. *Refractories*, **1973**, 14, 55-60
- 7 Investigation of the heat resistance of brittle materials. *Soviet Powder Metallurgy and Metal Ceramics (English Translation of Poroshkovaya Metallurgiya)*, **1967**, 6, 982-985
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