George A Gogotsi

List of Publications by Year in Descending Order

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	Instrumented indentation study of materials edge chipping. *Ceramics International*, **2021**, 47, 29638-29645	5.1	3
192	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	0.6	
191	Glass Fracture during Micro-Scratching. *Surfaces*, **2020**, 3, 211-224	2.9	8
190	General regularities of edge chipping tests for ceramics in the case of conical indenters with different rounding tip. *Mechanics of Materials*, **2019**, 132, 86-92	3.3	0
189	Unified curve of the edge chipping resistance in connection with the rounding radius indenter. *Engineering Fracture Mechanics*, **2017**, 178, 265-278	4.2	2
188	Fracture of Ceramics with Different Conical Indenters: Edge Chipping. *Strength of Materials*, **2016**, 48, 610-614	0.6	
187	Edge Fracture Resistance of Glasses: Different Conical Indenters and the Fracture Initiation Barrier. *Strength of Materials*, **2016**, 48, 365-370	0.6	1
186	Classification of ceramics and glass (edge chipping and fracture toughness). *Ceramics International*, **2014**, 40, 5591-5596	5.1	12
185	Numerical modeling edge chipping tests of ceramics. *Engineering Fracture Mechanics*, **2014**, 132, 38-47	4.2	7
184	Criteria of ceramics fracture (edge chipping and fracture toughness tests). *Ceramics International*, **2013**, 39, 3293-3300	5.1	18
183	Edge chipping resistance of ceramics: Problems of test method. *Journal of Advanced Ceramics*, **2013**, 2, 370-377	10.7	9
182	Deformation, Fracture Resistance and Heat Resistance of Elastic and Inelastic Ceramics. *Strength of Materials*, **2013**, 45, 248-255	0.6	3
181	Glasses: New approach to fracture behavior analysis. *Journal of Non-Crystalline Solids*, **2010**, 356, 1021-1026	3.9	17
180	Fracture resistance of technical and optical glasses: edge flaking of specimens. *Strength of Materials*, **2010**, 42, 280-286	0.6	3
179	Fracture resistance estimation of elastic ceramics in edge flaking: EF baseline. *Journal of the European Ceramic Society*, **2010**, 30, 1223-1228	6	20
178	Fracture behaviour of Y-TZP ceramics: New outcomes. *Ceramics International*, **2010**, 36, 345-350	5.1	28
177	Fracture behaviour of Mg-PSZ ceramics: Comparative estimates. *Ceramics International*, **2009**, 35, 2735-2740	5.1	16

176	Mechanical behaviour of a silicon nitride particulate ceramic composite. *Ceramics International*, **2009**, 35, 1109-1114	5.1	8
175	Fracture barrier estimation by the edge fracture test method. *Ceramics International*, **2009**, 35, 1871-1875	5.1	23
174	Evaluation of fracture resistance of ceramics: Edge fracture tests. *Ceramics International*, **2007**, 33, 315-320	5.1	30
173	Glass fracture in edge flaking. *Strength of Materials*, **2007**, 39, 639-645	0.6	11
172	Fracture Resistance of Ceramics: Direct Measurements. *Advances in Science and Technology*, **2006**, 45, 95-100	0.1	6
171	Flaking Toughness Of Advanced Ceramics: Ancient Principle Revived In Modern Times. *Materials Research Innovations*, **2006**, 10, 179-186	1.9	9
170	Fracture toughness testing of materials by the EF method. *Inorganic Materials*, **2006**, 42, 567-572	0.9	4
169	Crack resistance of modern ceramics and ceramic composites. II. EF method. *Powder Metallurgy and Metal Ceramics*, **2006**, 45, 328-336	0.8	
168	Fracture resistance of ceramics: Base diagram and R-line. *Strength of Materials*, **2006**, 38, 261-270	0.6	21
167	Double-Layer Capacitance of Carbide Derived Carbons in Sulfuric Acid. *Electrochemical and Solid-State Letters*, **2005**, 8, A357		72
166	Strength and Fracture Toughness of Ceramic Materials for Metal-Ceramic Prosthetic Dentistry. *Strength of Materials*, **2005**, 37, 323-330	0.6	1
165	Fracture Resistance of Ceramics: Edge Fracture Method. *Strength of Materials*, **2005**, 37, 499-505	0.6	5
164	Ferroelastic Behavior of LaCoO3-Based Ceramics. *Journal of the American Ceramic Society*, **2004**, 84, 2029-2033	3.8	43
163	Crack Resistance of Modern Ceramics and Ceramic Composites. Part 1. SEVNB-Method. *Powder Metallurgy and Metal Ceramics*, **2004**, 43, 371-382	0.8	3
162	Fracture Resistance of Residually-Stressed Ceramic Laminated Structures. *Strength of Materials*, **2004**, 36, 291-303	0.6	1
161	Fracture Resistance of Ceramics upon Edge Chipping. *Strength of Materials*, **2004**, 36, 545-547	0.6	6
160	Crack arrest in Si3N4-based layered composites with residual stress. *Composites Science and Technology*, **2004**, 64, 1947-1957	8.6	49
159	Bifurcation of Cracks in Laminated Ceramic Composites with Rigid Interlaminar Bonds. *Strength of Materials*, **2003**, 35, 248-259	0.6	1

158	Fracture toughness of ceramics and ceramic composites. *Ceramics International*, **2003**, 29, 777-784	5.1	179
157	Crack bifurcation features in laminar specimens with fixed total thickness. *Composites Science and Technology*, **2002**, 62, 819-830	8.6	23
156	A Specific Feature in the Fracture of Polycrystalline Zirconia Ceramic. *Refractories and Industrial Ceramics*, **2002**, 43, 117-119	1.1	1
155	Statistical Evaluation of Microcracking of Inelastic Ceramics. *Strength of Materials*, **2002**, 34, 349-358	0.6	1
154	Strain and Fracture of a Ceramic Based on Lanthanum Chromite. *Refractories and Industrial Ceramics*, **2002**, 43, 237-246	1.1	2
153	Mechanical Properties of PSZ Crystals Grown by Skull Melting Technique: Influence of Technology Conditions **2002**, 485-496		
152	Local stochastic analysis of microcracking and non-elastic behavior of ceramics. *Theoretical and Applied Fracture Mechanics*, **2001**, 36, 115-123	3.7	6
151	The Mechanical Behavior of Lanthanum Cobaltite-Based Perovskites with a Mixed Ion-Electron Conductivity at Different Temperatures. *Refractories and Industrial Ceramics*, **2001**, 42, 341-346	1.1	2
150	Fracture toughness studies on V-notched ceramic specimens. *Strength of Materials*, **2000**, 32, 81-85	0.6	8
149	Synthesis and properties of ceramics in the SiC B4C MeB2 system. *Powder Metallurgy and Metal Ceramics*, **2000**, 39, 239-250	0.8	12
148	A micro-Raman study of phase transformations of zirconia crystals upon introduction of a vickers indentor. *Refractories and Industrial Ceramics*, **2000**, 41, 191-195	1.1	3
147	Fracture toughness, strength, and other characteristics of yttria-stabilized zirconium ceramics. *Refractories and Industrial Ceramics*, **2000**, 41, 257-263	1.1	3
146	Micro-raman studies on materials based on zirconium dioxide. *Powder Metallurgy and Metal Ceramics*, **1999**, 38, 186-192	0.8	1
145	Fracture toughness anisotropy of partially stabilized ZrO2 crystals in the plane (001). *Strength of Materials*, **1999**, 31, 492-498	0.6	
144	Crack resistance of ceramics and composites with ceramic matrix (SEVNB method). *Refractories and Industrial Ceramics*, **1998**, 39, 397-403	1.1	
143	Deformation behavior of zirconias. *Strength of Materials*, **1998**, 30, 638-644	0.6	1
142	Mechanical behaviour of yttria- and ferric oxide-doped zirconia at different temperatures. *Ceramics International*, **1998**, 24, 589-595	5.1	13
141	Comparative analysis of fracture toughness test methods for ceramics and crystals at room and lower temperatures. *Strength of Materials*, **1997**, 29, 287-297	0.6	5

140	Raman spectroscopy and mechanical behavior of zirconia materials. *Refractories and Industrial Ceramics*, **1997**, 38, 224-230	1.1	2
139	Elastic-inelastic and inelastic-elastic transitions in ZrO2 materials. *Journal of the European Ceramic Society*, **1997**, 17, 1213-1215	6	1
138	Mechanical property characterization of 9 Mol% Ce-TZP ceramic material II. Fracture toughness. *Journal of the European Ceramic Society*, **1996**, 16, 545-551	6	12
137	Indentation resistance of zirconia ceramics and crystals. *Refractories*, **1996**, 37, 73-82		1
136	Problem of evaluating the crack resistance in ceramics of Si3N4 and ZrO2. *Refractories*, **1996**, 37, 21-26		1
135	Crack resistance and other characteristics of ceramics of partially stabilized zirconia with an iron oxide additive. *Refractories*, **1996**, 37, 35-42		
134	Deformation behaviour of partially stabilized ZrO2 crystals in the temperature range of tetragonal-to-monoclinic transformation. *Journal of Materials Science Letters*, **1996**, 15, 1467-1470		1
133	Mechanical behavior of zirconium dioxide crystals with additions of oxides of yttrium and cerium. *Powder Metallurgy and Metal Ceramics*, **1996**, 34, 558-565	0.8	
132	Zirconia crystals with yttrium and cerium oxides. *Refractories*, **1995**, 36, 199-207		4
131	Deformation and fracture of zirconia ceramics stabilized by CeO2. II. Crack resistance. *Refractories*, **1995**, 36, 78-81		
130	Indentation fracture of Y2O3-partially stabilized ZrO2 crystals. *Journal of Materials Science Letters*, **1995**, 14, 1406-1409		6
129	Mechanical property characterization of a 9 mol% Ce-TZP ceramic material I. Flexural response. *Journal of the European Ceramic Society*, **1995**, 15, 1185-1192	6	14
128	Deformation and strength of engineering ceramics and single crystals. *Journal of the European Ceramic Society*, **1995**, 15, 271-281	6	15
127	Vickers and knoop indentation behaviour of cubic and partially stabilized zirconia crystals. *Journal of the European Ceramic Society*, **1995**, 15, 405-413	6	45
126	Mechanical behavior of zirconium dioxide-based ceramics and crystals. Communication 2. Indentation tests. *Strength of Materials*, **1995**, 27, 441-447	0.6	
125	Mechanical behavior of zirconium dioxide-based ceramics and crystals. Communication 1. Bending tests. *Strength of Materials*, **1995**, 27, 387-391	0.6	
124	Mechanical behaviour of partially stabilized zirconia crystals with terbia and ceria additives. *Journal of the European Ceramic Society*, **1995**, 15, 1177-1184	6	4
123	Hardness and fracture toughness of tetragonal zirconia single crystals. *Journal of Materials Science Letters*, **1995**, 14, 46-49		8

122	Deformation and fracture of CeO2-stabilized zirconia ceramics. I. Strength and deformability. *Refractories*, **1995**, 36, 9-13		1
121	Zirconia crystals suitable for medicine: 1. Implants. *Ceramics International*, **1994**, 20, 343-348	5.1	10
120	Certifying advanced ceramics on the basis of mechanical properties. *Strength of Materials*, **1994**, 26, 55-62	0.6	1
119	DEFORMATION AND FRACTURE OF CERAMICS FOR ENERGY APPLICATIONS **1994**, 369-379		
118	Strength and fracture toughness of zirconia crystals. *Journal of the European Ceramic Society*, **1993**, 11, 123-132	6	27
117	Thermal-shock resistance of heterogeneous ceramics and refractories. *Refractories*, **1993**, 34, 539-547		3
116	Strength and crack resistance of zirconium dioxide crystals containing yttrium and terbium oxides. *Refractories*, **1993**, 34, 303-312		4
115	The Significance of Non-Elastic Deformation in the Thermal Shock Fracture of Heterogeneous Ceramic Materials **1993**, 279-291		2
114	Influence of Heating Rate on the Thermal Strain Induced Fracture of Mg-PSZ Samples **1993**, 293-305		2
113	Healing of cracks in glass. *Glass and Ceramics (English Translation of Steklo I Keramika)*, **1992**, 49, 118-122	0.6	
112	Hardness and cracking resistance of structural ceramics. *Soviet Materials Science*, **1992**, 27, 222-227		
111	Deformation features of ceramics during heating. *Refractories*, **1992**, 33, 28-34		2
110	Behavior of polycrystalline zirconium dioxide and single crystals during indentation. *Refractories*, **1992**, 33, 453-461		1
109	Deformation characteristics of cubic single crystals of ZrO2. *Refractories*, **1992**, 33, 152-158		3
108	Microstructure and Mechanical Properties of Sintered Reaction Bonded Silicon Nitride (SRBSN) **1992**, 237-243		
107	The effects of air and sodium salts on the strength of silicon-nitride-based ceramics. *Materials at High Temperatures*, **1991**, 9, 209-216	1.1	3
106	Deformational behaviour of ceramics. *Journal of the European Ceramic Society*, **1991**, 7, 87-92	6	35
105	Mechanical behavior of zirconium dioxide crystals partially stabilized with yttrium oxide. *Strength of Materials*, **1991**, 23, 86-91	0.6	4

104	Strength, fracture toughness, and acoustic emission of ceramics based on partially stabilized zirconium dioxide. *Strength of Materials*, **1991**, 23, 45-51	0.6	1
103	Acoustic Emission During Micro- and Macrocrack Growth in Mg-PSZ. *Journal of the American Ceramic Society*, **1991**, 74, 1922-1927	3.8	12
102	Physical properties of rammed baddeleyite bodies. *Refractories*, **1991**, 32, 355-357		
101	Mechanical properties of zirconium dioxide single crystals intended for structural applications. *Refractories*, **1991**, 32, 398-403		4
100	Partially stabilized ZrO2 ceramic and its behavior under load. *Refractories*, **1991**, 32, 3-9		
99	The effect of SiO2 on high-temperature deformation and strength of zirconia-toughened alumina. *Journal of Materials Science*, **1991**, 26, 4637-4642	4.3	4
98	Mechanical behavior of the ceramics based on ZrO2. *Soviet Powder Metallurgy and Metal Ceramics (English Translation of Poroshkovaya Metallurgiya)*, **1991**, 30, 853-858		
97	Test Methods of Advanced Ceramics - Reasonable Approaches to Certification of Ceramics. *Key Engineering Materials*, **1991**, 56-57, 419-434	0.4	8
96	Investigation of a ceramic in indentation of a Vickers diamond pyramid. *Strength of Materials*, **1990**, 22, 1306-1313	0.6	4
95	Ceramics based on partially stabilized zirconium dioxide. *Refractories*, **1990**, 31, 265-268		
94	Corrosion-mechanical failure of silicon nitride ceramic under the action of salts. *Strength of Materials*, **1989**, 21, 918-922	0.6	2
93	The use of brittleness measure ()to represent mechanical behaviour of ceramics. *Ceramics International*, **1989**, 15, 127-129	5.1	15
92	Stress corrosion of silicon nitride based ceramics. *Ceramics International*, **1989**, 15, 305-310	5.1	6
91	Deformation and destruction of self-bonded silicon carbide under different loading rates. *Refractories*, **1989**, 30, 626-629		
90	Influence of oxidation on the destruction of self-bonded silicon carbide. *Refractories*, **1989**, 30, 84-90		1
89	Behavior of hot-pressed boron carbide at high temperatures. II. Strength. *Soviet Powder Metallurgy and Metal Ceramics (English Translation of Poroshkovaya Metallurgiya)*, **1989**, 28, 487-490		1
88	Specification of ceramics with respect to their mechanical properties. experimental equipment. *Refractories*, **1988**, 29, 555-558		1
87	Critierional evaluation of thermal destruction of corundum concretes. *Refractories*, **1988**, 29, 265-273		

86	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		
85	Specification of ceramics with reference to their mechanical properties. Methodological aspects. *Refractories*, **1988**, 29, 471-476		
84	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		
83	Mechanical behaviour of hot-pressed boron carbide in various atmospheres. *Journal of Materials Science Letters*, **1988**, 7, 814-816		23
82	Mechanical behavior of ceramics not following Hooke's law. *Soviet Powder Metallurgy and Metal Ceramics (English Translation of Poroshkovaya Metallurgiya)*, **1988**, 27, 908-913		1
81	Strength and crack resistance of ceramics based on zirconium dioxide. *Strength of Materials*, **1988**, 20, 61-64	0.6	1
80	A machine for determination of the mechanical properties of ceramics at high temperatures. *Strength of Materials*, **1988**, 20, 558-562	0.6	2
79	Strength and crack resistance of ceramics. Communication 4. Ceramics based on boron carbide. *Strength of Materials*, **1987**, 19, 1359-1363	0.6	
78	Mechanical properties and special features of the structure of materials based on boron carbide. *Soviet Powder Metallurgy and Metal Ceramics (English Translation of Poroshkovaya Metallurgiya)*, **1987**, 26, 589-594		2
77	High-temperature oxidation of sintered lanthanum hexaboride. *Soviet Powder Metallurgy and Metal Ceramics (English Translation of Poroshkovaya Metallurgiya)*, **1987**, 26, 914-917		3
76	Strength and crack resistance of ceramics. Report 3. A silicon carbide ceramic. *Strength of Materials*, **1987**, 19, 674-677	0.6	2
75	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		
74	Effect of anisotropy for refractories on features of their failure with thermal loads. *Strength of Materials*, **1986**, 18, 65-68	0.6	
73	Strength degradation of Si3N4?SiC-based ceramics in salt environments. *Ceramics International*, **1986**, 12, 203-208	5.1	16
72	Strength of corundum concretes. *Refractories*, **1986**, 27, 311-317		
71	Predicting the mechanical behavior of ceramics and refractories from their typical brittleness values. *Refractories*, **1986**, 27, 624-629		
70	Evaluation of the heat resistance of new cordierite-base materials. *Refractories*, **1986**, 27, 194-197		
69	Acoustic emission in the deformation and failure of corundum refractories. *Refractories*, **1986**, 27, 200-204		0

68	The brittleness index of corundum-based concretes. *Refractories*, **1986**, 27, 381-384		
67	Complex investigation of hot-pressed boron carbide. *Journal of the Less Common Metals*, **1986**, 117, 225-230		28
66	Mathematical Software for Experimental Methods of Ceramics Investigations **1986**, 865-870		
65	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		
64	Evaluation of the life of ceramics from subcritical crack growth parameters. *Strength of Materials*, **1985**, 17, 210-214	0.6	1
63	Use of nondestructive testing methods in evaluation of thermal damage for ceramics under conditions of nonstationary thermal effects. *Strength of Materials*, **1985**, 17, 52-56	0.6	1
62	Crack resistance of a constructional ceramic. *Strength of Materials*, **1985**, 17, 445-451	0.6	1
61	System for automated collection and processing of results of strength and thermal-stability studies in ceramics. *Strength of Materials*, **1984**, 16, 752-757	0.6	
60	Action of salts on the strength and crack resistance of silicon nitride ceramics. *Strength of Materials*, **1984**, 16, 1515-1519	0.6	
59	Automated system for investigating the thermal stability of ceramic and refractory materials. *Strength of Materials*, **1984**, 16, 905-908	0.6	
58	Strength and crack resistance of ceramics. Report No. 2. Silicon Nitride Ceramic. *Strength of Materials*, **1984**, 16, 1656-1660	0.6	2
57	Controlling surface defects in assessing thermal damage to porous ceramics using the luminescent capillary method. *Refractories*, **1984**, 25, 274-277		1
56	Mechanical behavior of cordierite under force and thermal stresses. *Refractories*, **1984**, 25, 506-511		
55	Thermal failure of refractories with the use of the acoustic-emission method. *Refractories*, **1984**, 25, 397-404		1
54	Thermal damage to corundum refractory. *Refractories*, **1984**, 25, 140-144		
53	Using the ultrasonic spectral method for assessing thermal damage to refractory ceramics. *Refractories*, **1984**, 25, 219-222		1
52	EVALUATION OF CERAMIC FRACTURE CAUSED BY THERMAL SHOCK **1984**, 2701-2709		2
51	ACOUSTIC EMISSION DURING DEFORMATION AND FRACTURE OF CERAMICS **1983**, 67-73		1

50	Acoustic emission studies of the strength of ceramics under mechanical and thermal loads. *Strength of Materials*, **1982**, 14, 419-425	0.6	1
49	Subcritical crack growth in sintered materials. *Soviet Powder Metallurgy and Metal Ceramics (English Translation of Poroshkovaya Metallurgiya)*, **1982**, 21, 574-578		
48	Statistical studies of the strength of inelastic ceramics. *Ceramics International*, **1982**, 8, 22-26	5.1	7
47	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	0.6	
46	Test procedure with four-point loading. *Strength of Materials*, **1981**, 13, 244-249	0.6	
45	Statistical investigation of the strength of silicon nitride materials. *Soviet Powder Metallurgy and Metal Ceramics (English Translation of Poroshkovaya Metallurgiya)*, **1981**, 20, 141-147		
44	Design strength of ceramics for use in elements of gas-turbine engines. *Strength of Materials*, **1980**, 12, 403-411	0.6	
43	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	0.6	
42	Effect of machining on the strength of oxidic ceramic materials. *Strength of Materials*, **1980**, 12, 349-353	0.6	
41	Thermal stress behaviour of yttria, scandia and AIN ceramics. *Ceramurgia International*, **1980**, 6, 31-35		23
40	Investigation of Thermal Shock Resistance of Ceramic Materials Under Programmed Heating **1980**, 591-606		2
39	Strength of ceramic materials under mechanical and thermal actions. Communication 1. Yttrium oxide. *Strength of Materials*, **1979**, 11, 1120-1124	0.6	
38	Strength of silicon nitride base materials. *Strength of Materials*, **1979**, 11, 758-763	0.6	
37	Analysis of stress-strain diagrams and classification of low-deforming materials by their behavior under stress. *Strength of Materials*, **1978**, 10, 347-351	0.6	
36	A method of investigating refractory nonmetallic materials in linear thermal loading. *Strength of Materials*, **1978**, 10, 406-413	0.6	4
35	The significance of non-elastic deformation in the fracture of heterogeneous ceramic materials. *Ceramurgia International*, **1978**, 4, 113-118		30
34	Classification of refractories in terms of brittleness and the determination of their thermal-shock resistance. *Refractories*, **1978**, 19, 248-254		
33	Fracture characteristics of ceramic materials during thermal impact loading. *Strength of Materials*, **1977**, 9, 877-882	0.6	

32	The problem of the classification of low-deformation materials based on the features of their behavior under load. *Strength of Materials*, **1977**, 9, 77-83	0.6	15
31	Refractory ceramic under thermal shock loading. *Strength of Materials*, **1977**, 9, 717-721	0.6	2
30	Determining the strength of refractories with account taken of the true relation between the stress and deformation. *Refractories*, **1976**, 17, 45-51		2
29	Thermal strength of refractory materials under program-controlled thermal loads. *Refractories*, **1976**, 17, 572-576		
28	Investigation of deformation properties of silicon-carbide-containing materials. *Glass and Ceramics (English Translation of Steklo I Keramika)*, **1976**, 33, 645-649	0.6	
27	Strength of reinforced refractory materials communication 1. Determination of mechanical characteristics in bend tests. *Strength of Materials*, **1975**, 7, 1454-1458	0.6	
26	Communication 2. Study of heat resistance under various thermal loading conditions. *Strength of Materials*, **1975**, 7, 1459-1463	0.6	
25	The brittleness of refractories. *Refractories*, **1974**, 15, 115-117		
24	The present state and future development of the theory of thermal strength. *Refractories*, **1974**, 15, 565-571		
23	Modern approach to estimates of the heat resistance of brittle materials. *Strength of Materials*, **1974**, 6, 667-674	0.6	3
22	Thermal shock resistance and mechanical characteristics of materials based on zirconium dioxide. *Strength of Materials*, **1974**, 6, 732-736	0.6	1
21	Investigation of certain problems related to the failure of thermally loaded refractories. *Strength of Materials*, **1974**, 6, 589-592	0.6	
20	Estimating the accuracy in the determination of the thermostability of refractory materials. *Strength of Materials*, **1973**, 5, 1124-1129	0.6	
19	Determination of brittleness of refractories tested for heat resistance. *Strength of Materials*, **1973**, 5, 1186-1189	0.6	4
18	Standardized assessment of the thermal deterioration of nonhomogeneous refractory materials. *Refractories*, **1973**, 14, 633-639		
17	Study of thermal shock resistance of fired and unfired zirconia refractories. *Refractories*, **1973**, 14, 55-60		
16	Experimental investigation of the deformed state of thermally loaded samples of refractory materials. *Strength of Materials*, **1972**, 4, 497-500	0.6	2
15	Determination of thermal stability and thermophysical characteristics of corundum materials. *Strength of Materials*, **1971**, 3, 89-93	0.6	1

14	Automatic program temperature regulator APRT-1. *Refractories and Industrial Ceramics*, **1970**, 11, 695-697	0.1	1
13	Method for the investigation of brittle materials using tubular specimens. *Strength of Materials*, **1970**, 2, 202-206	0.6	2
12	Program-controlled radiation heater. *Strength of Materials*, **1970**, 2, 699-702	0.6	
11	Investigation of fracture in aluminum silicate refractoris containing boron nitride. *Strength of Materials*, **1970**, 2, 253-256	0.6	3
10	A study of the effect of structure on the thermal stability of fireclay refractories. *Refractories*, **1969**, 10, 254-257		
9	Thermal stress resistance of a corundum ceramic with magnesium oxide added. *Refractories*, **1969**, 10, 511-514		1
8	Determination of heat resistance of inhomogeneous refractory materials. *Strength of Materials*, **1969**, 1, 258-263	0.6	
7	A system for automatic programmed temperature control (PRT-1). *Strength of Materials*, **1969**, 1, 104-106	0.6	3
6	Investigating refractory concretes under variable heat load conditions. *Refractories*, **1968**, 9, 727-729		
5	Effect of boron nitride addition on some properties of aluminosilicate refractories. *Refractories*, **1968**, 9, 229-232		0
4	Investigation of the heat resistance of brittle materials. *Soviet Powder Metallurgy and Metal Ceramics (English Translation of Poroshkovaya Metallurgiya)*, **1967**, 6, 982-985		
3	Sensitivity of Silicon Carbide and Other Ceramics to Edge Fracture: Method and Results. *Ceramic Engineering and Science Proceedings*,237-246	0.1	7
2	Corrosion of Hard Materials140-182		12
1	Fracture Toughness Studies on Ceramics and Ceramic Particulate Composites at Different Temperatures199-199		9-14