George A Gogotsi

List of Publications by Citations

Source: https://exaly.com/author-pdf/7905120/george-a-gogotsi-publications-by-citations.pdf
Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
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. *Ceramics International*, **2003**, 29, 777-784	5.1	179
192	Double-Layer Capacitance of Carbide Derived Carbons in Sulfuric Acid. *Electrochemical and Solid-State Letters*, **2005**, 8, A357		72
191	Crack arrest in Si3N4-based layered composites with residual stress. *Composites Science and Technology*, **2004**, 64, 1947-1957	8.6	49
190	Vickers and knoop indentation behaviour of cubic and partially stabilized zirconia crystals. *Journal of the European Ceramic Society*, **1995**, 15, 405-413	6	45
189	Ferroelastic Behavior of LaCoO3-Based Ceramics. *Journal of the American Ceramic Society*, **2004**, 84, 2029-2033	3.8	43
188	Deformational behaviour of ceramics. *Journal of the European Ceramic Society*, **1991**, 7, 87-92	6	35
187	Evaluation of fracture resistance of ceramics: Edge fracture tests. *Ceramics International*, **2007**, 33, 315-320	5.1	30
186	The significance of non-elastic deformation in the fracture of heterogeneous ceramic materials. *Ceramurgia International*, **1978**, 4, 113-118		30
185	Fracture behaviour of Y-TZP ceramics: New outcomes. *Ceramics International*, **2010**, 36, 345-350	5.1	28
184	Complex investigation of hot-pressed boron carbide. *Journal of the Less Common Metals*, **1986**, 117, 225-230		28
183	Strength and fracture toughness of zirconia crystals. *Journal of the European Ceramic Society*, **1993**, 11, 123-132	6	27
182	Fracture barrier estimation by the edge fracture test method. *Ceramics International*, **2009**, 35, 1871-1875	5.1	23
181	Crack bifurcation features in laminar specimens with fixed total thickness. *Composites Science and Technology*, **2002**, 62, 819-830	8.6	23
180	Mechanical behaviour of hot-pressed boron carbide in various atmospheres. *Journal of Materials Science Letters*, **1988**, 7, 814-816		23
179	Thermal stress behaviour of yttria, scandia and AIN ceramics. *Ceramurgia International*, **1980**, 6, 31-35		23
178	Fracture resistance of ceramics: Base diagram and R-line. *Strength of Materials*, **2006**, 38, 261-270	0.6	21
177	Fracture resistance estimation of elastic ceramics in edge flaking: EF baseline. *Journal of the European Ceramic Society*, **2010**, 30, 1223-1228	6	20

176	Criteria of ceramics fracture (edge chipping and fracture toughness tests). *Ceramics International*, **2013**, 39, 3293-3300	5.1	18
175	Glasses: New approach to fracture behavior analysis. *Journal of Non-Crystalline Solids*, **2010**, 356, 1021-1026	3.9	17
174	Fracture behaviour of Mg-PSZ ceramics: Comparative estimates. *Ceramics International*, **2009**, 35, 2735-2740	5.1	16
173	Strength degradation of Si3N4?SiC-based ceramics in salt environments. *Ceramics International*, **1986**, 12, 203-208	5.1	16
172	Deformation and strength of engineering ceramics and single crystals. *Journal of the European Ceramic Society*, **1995**, 15, 271-281	6	15
171	The use of brittleness measure (I) to represent mechanical behaviour of ceramics. *Ceramics International*, **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. *Strength of Materials*, **1977**, 9, 77-83	0.6	15
169	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
168	Mechanical behaviour of yttria- and ferric oxide-doped zirconia at different temperatures. *Ceramics International*, **1998**, 24, 589-595	5.1	13
167	Classification of ceramics and glass (edge chipping and fracture toughness). *Ceramics International*, **2014**, 40, 5591-5596	5.1	12
166	Corrosion of Hard Materials140-182		12
165	Synthesis and properties of ceramics in the SiC B4C MeB2 system. *Powder Metallurgy and Metal Ceramics*, **2000**, 39, 239-250	0.8	12
164	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
163	Acoustic Emission During Micro- and Macrocrack Growth in Mg-PSZ. *Journal of the American Ceramic Society*, **1991**, 74, 1922-1927	3.8	12
162	Glass fracture in edge flaking. *Strength of Materials*, **2007**, 39, 639-645	0.6	11
161	Zirconia crystals suitable for medicine: 1. Implants. *Ceramics International*, **1994**, 20, 343-348	5.1	10
160	Edge chipping resistance of ceramics: Problems of test method. *Journal of Advanced Ceramics*, **2013** , 2, 370-377	10.7	9
159	Flaking Toughness Of Advanced Ceramics: Ancient Principle Revived In Modern Times. *Materials Research Innovations*, **2006**, 10, 179-186	1.9	9

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

140	Mechanical behavior of zirconium dioxide crystals partially stabilized with yttrium oxide. *Strength of Materials*, **1991**, 23, 86-91	0.6	4
139	Mechanical properties of zirconium dioxide single crystals intended for structural applications. *Refractories*, **1991**, 32, 398-403		4
138	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
137	Strength and crack resistance of zirconium dioxide crystals containing yttrium and terbium oxides. *Refractories*, **1993**, 34, 303-312		4
136	Investigation of a ceramic in indentation of a Vickers diamond pyramid. *Strength of Materials*, **1990**, 22, 1306-1313	0.6	4
135	A method of investigating refractory nonmetallic materials in linear thermal loading. *Strength of Materials*, **1978**, 10, 406-413	0.6	4
134	Determination of brittleness of refractories tested for heat resistance. *Strength of Materials*, **1973**, 5, 1186-1189	0.6	4
133	Deformation, Fracture Resistance and Heat Resistance of Elastic and Inelastic Ceramics. *Strength of Materials*, **2013**, 45, 248-255	0.6	3
132	Fracture resistance of technical and optical glasses: edge flaking of specimens. *Strength of Materials*, **2010**, 42, 280-286	0.6	3
131	Crack Resistance of Modern Ceramics and Ceramic Composites. Part 1. SEVNB-Method. *Powder Metallurgy and Metal Ceramics*, **2004**, 43, 371-382	0.8	3
130	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
129	Fracture toughness, strength, and other characteristics of yttria-stabilized zirconium ceramics. *Refractories and Industrial Ceramics*, **2000**, 41, 257-263	1.1	3
128	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
127	Deformation characteristics of cubic single crystals of ZrO2. *Refractories*, **1992**, 33, 152-158		3
126	Thermal-shock resistance of heterogeneous ceramics and refractories. *Refractories*, **1993**, 34, 539-547		3
125	High-temperature oxidation of sintered lanthanum hexaboride. *Soviet Powder Metallurgy and Metal Ceramics (English Translation of Poroshkovaya Metallurgiya)*, **1987**, 26, 914-917		3
124	Modern approach to estimates of the heat resistance of brittle materials. *Strength of Materials*, **1974**, 6, 667-674	0.6	3
123	A system for automatic programmed temperature control (PRT-1). *Strength of Materials*, **1969**, 1, 104-106	0.6	3

122	Investigation of fracture in aluminum silicate refractoris containing boron nitride. *Strength of Materials*, **1970**, 2, 253-256	0.6	3
121	Instrumented indentation study of materials edge chipping. *Ceramics International*, **2021**, 47, 29638-29645	5.1	3
120	Unified curve of the edge chipping resistance in connection with the rounding radius indenter. *Engineering Fracture Mechanics*, **2017**, 178, 265-278	4.2	2
119	Raman spectroscopy and mechanical behavior of zirconia materials. *Refractories and Industrial Ceramics*, **1997**, 38, 224-230	1.1	2
118	Strain and Fracture of a Ceramic Based on Lanthanum Chromite. *Refractories and Industrial Ceramics*, **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. *Refractories and Industrial Ceramics*, **2001**, 42, 341-346	1.1	2
116	Deformation features of ceramics during heating. *Refractories*, **1992**, 33, 28-34		2
115	Corrosion-mechanical failure of silicon nitride ceramic under the action of salts. *Strength of Materials*, **1989**, 21, 918-922	0.6	2
114	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
113	Strength and crack resistance of ceramics. Report 3. A silicon carbide ceramic. *Strength of Materials*, **1987**, 19, 674-677	0.6	2
112	A machine for determination of the mechanical properties of ceramics at high temperatures. *Strength of Materials*, **1988**, 20, 558-562	0.6	2
111	Strength and crack resistance of ceramics. Report No. 2. Silicon Nitride Ceramic. *Strength of Materials*, **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. *Refractories*, **1976**, 17, 45-51		2
109	Refractory ceramic under thermal shock loading. *Strength of Materials*, **1977**, 9, 717-721	0.6	2
108	Method for the investigation of brittle materials using tubular specimens. *Strength of Materials*, **1970**, 2, 202-206	0.6	2
107	Experimental investigation of the deformed state of thermally loaded samples of refractory materials. *Strength of Materials*, **1972**, 4, 497-500	0.6	2
106	Fracture Toughness Studies on Ceramics and Ceramic Particulate Composites at Different Temperatures199-199-14		2
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 ZrO2 materials. *Journal of the European Ceramic Society*, **1997**, 17, 1213-1215	6	1
100	Deformation behavior of zirconias. *Strength of Materials*, **1998**, 30, 638-644	0.6	1
99	Fracture Resistance of Residually-Stressed Ceramic Laminated Structures. *Strength of Materials*, **2004**, 36, 291-303	0.6	1
98	A Specific Feature in the Fracture of Polycrystalline Zirconia Ceramic. *Refractories and Industrial Ceramics*, **2002**, 43, 117-119	1.1	1
97	Statistical Evaluation of Microcracking of Inelastic Ceramics. *Strength of Materials*, **2002**, 34, 349-358	0.6	1
96	Bifurcation of Cracks in Laminated Ceramic Composites with Rigid Interlaminar Bonds. *Strength of Materials*, **2003**, 35, 248-259	0.6	1
95	Strength and Fracture Toughness of Ceramic Materials for Metal-Ceramic Prosthetic Dentistry. *Strength of Materials*, **2005**, 37, 323-330	0.6	1
94	Micro-raman studies on materials based on zirconium dioxide. *Powder Metallurgy and Metal Ceramics*, **1999**, 38, 186-192	0.8	1
93	Indentation resistance of zirconia ceramics and crystals. *Refractories*, **1996**, 37, 73-82		1
92	Problem of evaluating the crack resistance in ceramics of Si3N4 and ZrO2. *Refractories*, **1996**, 37, 21-26		1
91	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
90	Certifying advanced ceramics on the basis of mechanical properties. *Strength of Materials*, **1994**, 26, 55-62	2.6	1
89	Deformation and fracture of CeO2-stabilized zirconia ceramics. I. Strength and deformability. *Refractories*, **1995**, 36, 9-13		1
88	Strength, fracture toughness, and acoustic emission of ceramics based on partially stabilized zirconium dioxide. *Strength of Materials*, **1991**, 23, 45-51	0.6	1
87	Behavior of polycrystalline zirconium dioxide and single crystals during indentation. *Refractories*, **1992**, 33, 453-461		1

86	Influence of oxidation on the destruction of self-bonded silicon carbide. *Refractories*, **1989**, 30, 84-90		1
85	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
84	Specification of ceramics with respect to their mechanical properties. experimental equipment. *Refractories*, **1988**, 29, 555-558		1
83	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
82	Strength and crack resistance of ceramics based on zirconium dioxide. *Strength of Materials*, **1988**, 20, 61-64	0.6	1
81	Controlling surface defects in assessing thermal damage to porous ceramics using the luminescent capillary method. *Refractories*, **1984**, 25, 274-277		1
80	Thermal failure of refractories with the use of the acoustic-emission method. *Refractories*, **1984**, 25, 397-404		1
79	Using the ultrasonic spectral method for assessing thermal damage to refractory ceramics. *Refractories*, **1984**, 25, 219-222		1
78	Evaluation of the life of ceramics from subcritical crack growth parameters. *Strength of Materials*, **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. *Strength of Materials*, **1985**, 17, 52-56	0.6	1
76	Crack resistance of a constructional ceramic. *Strength of Materials*, **1985**, 17, 445-451	0.6	1
75	Acoustic emission studies of the strength of ceramics under mechanical and thermal loads. *Strength of Materials*, **1982**, 14, 419-425	0.6	1
74	Thermal shock resistance and mechanical characteristics of materials based on zirconium dioxide. *Strength of Materials*, **1974**, 6, 732-736	0.6	1
73	Thermal stress resistance of a corundum ceramic with magnesium oxide added. *Refractories*, **1969**, 10, 511-514		1
72	Determination of thermal stability and thermophysical characteristics of corundum materials. *Strength of Materials*, **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. *Strength of Materials*, **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. *Mechanics of Materials*, **2019**, 132, 86-92	3.3	0

68	Acoustic emission in the deformation and failure of corundum refractories. *Refractories*, **1986**, 27, 200-204	0
67	Effect of boron nitride addition on some properties of aluminosilicate refractories. *Refractories*, **1968**, 9, 229-232	0
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	0.6
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	0.8
63	Fracture toughness anisotropy of partially stabilized ZrO2 crystals in the plane (001). *Strength of Materials*, **1999**, 31, 492-498	0.6
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	0.6
60	Mechanical behavior of zirconium dioxide-based ceramics and crystals. Communication 1. Bending tests. *Strength of Materials*, **1995**, 27, 387-391	0.6
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	0.8
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	0.6
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	0.6
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	0.6
43	Critierional 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	0.6
38	Action of salts on the strength and crack resistance of silicon nitride ceramics. *Strength of Materials*, **1984**, 16, 1515-1519	0.6
37	Automated system for investigating the thermal stability of ceramic and refractory materials. *Strength of Materials*, **1984**, 16, 905-908	0.6
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	0.6

32	Strength of silicon nitride base materials. *Strength of Materials*, **1979**, 11, 758-763	0.6
31	Design strength of ceramics for use in elements of gas-turbine engines. *Strength of Materials*, **1980**, 12, 403-411	0.6
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	0.6
29	Effect of machining on the strength of oxidic ceramic materials. *Strength of Materials*, **1980**, 12, 349-353	0.6
28	Test procedure with four-point loading. *Strength of Materials*, **1981**, 13, 244-249	0.6
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	0.6
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	0.6
21	Strength of reinforced refractory materials communication 1. Determination of mechanical characteristics in bend tests. *Strength of Materials*, **1975**, 7, 1454-1458	0.6
20	Communication 2. Study of heat resistance under various thermal loading conditions. *Strength of Materials*, **1975**, 7, 1459-1463	0.6
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	0.6
17	Fracture characteristics of ceramic materials during thermal impact loading. *Strength of Materials*, **1977**, 9, 877-882	0.6
16	Analysis of stress-strain diagrams and classification of low-deforming materials by their behavior under stress. *Strength of Materials*, **1978**, 10, 347-351	0.6
15	Classification of refractories in terms of brittleness and the determination of their thermal-shock resistance. *Refractories*, **1978**, 19, 248-254	

14	A study of the effect of structure on the thermal stability of fireclay refractories. *Refractories*, **1969** , 10, 254-257	
13	Determination of heat resistance of inhomogeneous refractory materials. *Strength of Materials*, **1969**, 1, 258-263	0.6
12	Automatic program temperature regulator APRT-1. *Refractories and Industrial Ceramics*, **1970**, 11, 695-697	1.1
11	Program-controlled radiation heater. *Strength of Materials*, **1970**, 2, 699-702	0.6
10	Estimating the accuracy in the determination of the thermostability of refractory materials. *Strength of Materials*, **1973**, 5, 1124-1129	0.6
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	
6	Investigating refractory concretes under variable heat load conditions. *Refractories*, **1968**, 9, 727-729	
5	Mechanical Properties of PSZ Crystals Grown by Skull Melting Technique: Influence of Technology Conditions **2002**, 485-496	
4	Microstructure and Mechanical Properties of Sintered Reaction Bonded Silicon Nitride (SRBSN) **1992**, 237-243	
3	DEFORMATION AND FRACTURE OF CERAMICS FOR ENERGY APPLICATIONS **1994**, 369-379	
2	Mathematical Software for Experimental Methods of Ceramics Investigations **1986**, 865-870	
1	Fracture of Ceramics with Different Conical Indenters: Edge Chipping. *Strength of Materials*, **2016**, 48, 610-614	0.6