J T Dickinson

List of Publications by Year in Descending Order

167 papers	3,070 citations	30 h-index	45 g-index
171 ext. papers	3,200 ext. citations	2.7 avg, IF	4.51 L-index

#	Paper	IF	Citations
167	The interaction of 193 nm excimer laser radiation with single-crystal zinc oxide: Generation of long lived highly excited particles with evidence of Zn Rydberg formation. *Journal of Applied Physics*, **2014**, 116, 083711	2.5	
166	The interaction of 193 nm excimer laser radiation with single-crystal zinc oxide: Neutral atomic zinc and oxygen emission. *Journal of Applied Physics*, **2013**, 114, 053511	2.5	3
165	The interaction of 193-nm excimer laser radiation with single-crystal zinc oxide: The generation of atomic Zn line emission at laser fluences below breakdown. *Journal of Applied Physics*, **2013**, 114, 083102	2.5	2
164	The interaction of 193-nm excimer laser irradiation with single-crystal zinc oxide: Positive ion emission. *Journal of Applied Physics*, **2012**, 111, 063101	2.5	7
163	Positive ion emission from oxidized aluminum during ultraviolet excimer laser irradiation. *Journal of Applied Physics*, **2011**, 110, 023110	2.5	7
162	Tribochemical wear of single crystal aluminum in NaCl solution studied by atomic force microscopy. *Journal of Applied Physics*, **2011**, 110, 063509	2.5	2
161	Interaction of vacuum ultraviolet excimer laser radiation with fused silica: II. Neutral atom and molecule emission. *Journal of Applied Physics*, **2010**, 107, 033108	2.5	8
160	Interaction of vacuum ultraviolet excimer laser radiation with fused silica. I. Positive ion emission. *Journal of Applied Physics*, **2010**, 107, 033107	2.5	13
159	Interaction of vacuum ultraviolet excimer laser radiation with fused silica. III. Negative ion formation. *Journal of Applied Physics*, **2010**, 107, 033109	2.5	11
158	The effect of thermal oxidation on laser-induced photoelectron emission during tensile deformation of polycrystalline aluminum. *Journal of Applied Physics*, **2010**, 107, 053526	2.5	1
157	Emission of Negative Potassium Ions from Single Crystal Potassium Bromide during Exposure to 248-nm Excimer Laser Radiation *Journal of Physical Chemistry C*, **2010**, 114, 5700-5708	3.8	4
156	Atomic force microscopy studies of chemical mechanical processes on silicon(100) surfaces. *Applied Physics A: Materials Science and Processing*, **2009**, 94, 35-43	2.6	7
155	Photoinduced formation of zinc nanoparticles by UV laser irradiation of ZnO. *Langmuir*, **2009**, 25, 1930-34		30
154	Observation of unintentionally incorporated nitrogen-related complexes in ZnO and GaN nanowires. *Nano Letters*, **2009**, 9, 1844-9	11.5	45
153	Fundamental Studies of Nanometer-Scale Wear Mechanisms. *MRS Bulletin*, **2008**, 33, 1174-1180	3.2	25
152	Ablation mechanism of PTFE under 157 nm irradiation. *Applied Physics A: Materials Science and Processing*, **2008**, 92, 981-985	2.6	4
151	Observation of negative alkali ions from alkali halides during 248-nm laser irradiation. *Applied Physics A: Materials Science and Processing*, **2008**, 92, 1025-1030	2.6	2

150	Nanoscale craters in poly(methyl methacrylate) formed by exposure to condensing solvent vapor. *Journal of Materials Research*, **2007**, 22, 3360-3370	2.5	3
149	F2 excimer laser (157 nm) ablation of polymers: relation of neutral and ionic fragment detection and absorption. *Journal of Physics: Conference Series*, **2007**, 59, 625-631	0.3	6
148	Interaction of wide band gap single crystals with 248nm excimer laser radiation. XII. The emission of negative atomic ions from alkali halides. *Journal of Applied Physics*, **2007**, 102, 114904	2.5	9
147	Deformation of cube-textured aluminum studied using laser-induced photoelectron emission. *Journal of Materials Research*, **2007**, 22, 2582-2589	2.5	1
146	Ion emission from fused silica under 157-nm irradiation. *Journal of Physics: Conference Series*, **2007**, 59, 736-739	0.3	1
145	A combined study of surface roughness in polycrystalline aluminium during uniaxial deformation using laser-induced photoemission and confocal microscopy. *Philosophical Magazine*, **2007**, 87, 907-924	1.6	7
144	Tribochemical wear of sodium trisilicate glass at the nanometer size scale. *Journal of Applied Physics*, **2006**, 99, 023529	2.5	18
143	Simultaneous measurements of photoemission and morphology of various Al alloys during mechanical deformation. *Journal of Applied Physics*, **2006**, 100, 103518	2.5	3
142	The formation of metallic nanoparticles in single crystal CaF2 under 157nm excimer laser irradiation. *Journal of Applied Physics*, **2006**, 99, 054305	2.5	17
141	Scanning-induced growth on single crystal calcite with an atomic force microscope. *Langmuir*, **2006**, 22, 6931-8	4	14
140	Influence of molecular weight on nanoscale modification of poly(methyl methacrylate) due to simultaneous mechanical and chemical stimulation. *Langmuir*, **2006**, 22, 3320-5	4	4
139	Dropwise condensation: experiments and simulations of nucleation and growth of water drops in a cooling system. *Langmuir*, **2006**, 22, 8864-72	4	158
138	Interaction of wide-band-gap single crystals with 248-nm excimer laser irradiation. IX. Photoinduced atomic desorption from cleaved NaCl(100) surfaces. *Journal of Applied Physics*, **2005**, 98, 013506	2.5	9
137	Interaction of wide-band-gap single crystals with 248-nm excimer laser radiation. XI. The effect of water vapor and temperature on laser desorption of neutral atoms from sodium chloride. *Journal of Applied Physics*, **2005**, 97, 043502	2.5	6
136	Laser interactions with embedded Ca metal nanoparticles in single crystal CaF2. *Journal of Applied Physics*, **2005**, 97, 074307	2.5	16
135	Effect of surface treatments on self-trapped exciton luminescence in single-crystal CaF2. *Journal of Applied Physics*, **2005**, 97, 103533	2.5	20
134	Interaction of wide-band-gap single crystals with 248-nm excimer laser irradiation. X. Laser-induced near-surface absorption in single-crystal NaCl. *Journal of Applied Physics*, **2005**, 97, 043501	2.5	7
133	Nanometer-Scale Solvent-Assisted Modification of Polymer Surfaces Using the Atomic Force Microscope. *Langmuir*, **2003**, 19, 10225-10232	4	24

132	Emission of neutral Mg from single crystal MgO during abrasion with diamond. *Journal of Applied Physics*, **2003**, 93, 1819-1825	2.5	4
131	Triboelectric charging of a perfluoropolyether lubricant. *Journal of Applied Physics*, **2003**, 93, 2202-2207	2.5	16
130	Transient current generation during wear of high-density polyethylene by a stainless-steel stylus. *Journal of Applied Physics*, **2003**, 93, 719-730	2.5	10
129	Color center formation in soda-lime glass with femtosecond laser pulses. *Journal of Applied Physics*, **2003**, 94, 4332-4340	2.5	55
128	Controlling Nanometer-Scale Crystal Growth on a Model Biomaterial with a Scanning Force Microscope. *Langmuir*, **2002**, 18, 7773-7776	4	9
127	Single asperity tribochemical wear of silicon nitride studied by atomic force microscopy. *Journal of Applied Physics*, **2002**, 92, 5103-5109	2.5	90
126	Fundamental studies of laser desorption from modified surfaces of ionic single crystals. *Radiation Effects and Defects in Solids*, **2001**, 156, 59-67	0.9	1
125	Interaction of wide band gap single crystals with 248 nm excimer laser irradiation. VII. Localized plasma formation on NaCl single crystal surfaces. *Journal of Applied Physics*, **2001**, 89, 2370-2378	2.5	15
124	Interaction of wide band gap single crystals with 248 nm excimer laser irradiation. VIII. Laser desorption of molecular ions from MgO. *Journal of Applied Physics*, **2001**, 89, 2950-2957	2.5	14
123	Effect of humidity on the failure of ethylene vinyl acetate/soda lime glass interfaces using small tensile specimens. *Journal of Adhesion Science and Technology*, **2001**, 15, 613-629	2	
122	Interaction of wide band gap single crystals with 248 nm excimer laser irradiation. VI. The influence of thermal pretreatment on laser desorption of positive ions from a water-containing ionic crystal (CaHPO4?2H2O). *Journal of Applied Physics*, **2000**, 88, 647-656	2.5	2
121	Mechanical Detachment of Nanometer Particles Strongly Adhering to a Substrate: An Application of Corrosive Tribology **2000**, 74, 373-390		2
120	Desorption of positive ions from ionic crystals accompanying 248 nm laser irradiation. *Applied Physics Letters*, **2000**, 76, 421-423	3.4	28
119	Laser induced electron and sodium ion emission from single crystal NaNO3 at 1064 nm. *Journal of Applied Physics*, **2000**, 87, 1522-1528	2.5	13
118	Scanning force microscope observations of particle detachment from substrates: The role of water vapor in tribological debonding. *Journal of Applied Physics*, **1999**, 86, 4885-4891	2.5	5
117	Analysis of neutral fragments from ultraviolet laser irradiation of a photolabile triazeno polymer. *Journal of Applied Physics*, **1999**, 86, 7116-7122	2.5	30
116	Dopant induced ablation of poly(methyl methacrylate) at 308 nm. *Journal of Applied Physics*, **1999**, 85, 1838-1847	2.5	51
115	A Dynamic Probe of Tribological Processes at Metal−Polymer Interfaces: Transient Current Generation. *ACS Symposium Series*, **1999**, 272-285	0.4	

114	Scanning Force Microscope Studies of Detachment of Nanometer Adhering Particulates. *Materials Research Society Symposia Proceedings*, **1999**, 566, 273		
113	The electrification of flowing gases by mechanical abrasion of mineral surfaces. *Physics and Chemistry of Minerals*, **1998**, 25, 566-573	1.6	23
112	Interaction of wide band gap single crystals with 248 nm excimer laser radiation. V. The role of photoelectronic processes in the formation of a fluorescent plume from MgO. *Journal of Applied Physics*, **1997**, 81, 1495-1504	2.5	40
111	Characterization of Particulates Accompanying Laser Ablation of NaNO3. *Applied Spectroscopy*, **1997**, 51, 707-717	3.1	27
110	Tribological Enhancement of CaCO3 Dissolution during Scanning Force Microscopy *Langmuir*, **1996**, 12, 4599-4604	4	40
109	Interaction of wide band gap single crystals with 248 nm excimer laser radiation. IV. Positive ion emission from MgO and NaNO3. *Journal of Applied Physics*, **1996**, 80, 6452-6466	2.5	43
108	Effect of tribological wear on ultraviolet laser interactions with single crystal NaNO3 and CaCO3. *Journal of Applied Physics*, **1996**, 80, 7065-7072	2.5	26
107	Atomic layer wear of single-crystal calcite in aqueous solution using scanning force microscopy. *Journal of Applied Physics*, **1996**, 80, 2680-2686	2.5	75
106	The role of defects in the rear side laser ablation of MgO at 308 nm. *Journal of Applied Physics*, **1996**, 80, 7057-7064	2.5	9
105	The role of photoelectronic processes in the formation of a fluorescent plume by 248-nm laser irradiation of single crystal NaNO3. *Applied Physics A: Materials Science and Processing*, **1996**, 64, 7-17	2.6	27
104	Particle emission from Si3N4 surface by excimer laser radiation. *Journal of Materials Science Letters*, **1995**, 14, 898-900		6
103	Electron and photon emission accompanying the abrasion of MgO with diamond. *Tribology Letters*, **1995**, 1, 147	2.8	19
102	A scanning conduction microscopic method for probing abrasion of insulating thin films. *Tribology Letters*, **1995**, 1, 159	2.8	1
101	The use of scanning conduction microscopy to probe abrasion of insulating thin films. *Review of Scientific Instruments*, **1995**, 66, 3802-3806	1.7	5
100	Chemisorptive electron emission and atomic force microscopy as probes of plastic deformation during fracture at a metal/glass interface. *Journal of Materials Research*, **1995**, 10, 2033-2041	2.5	3
99	Characterization of Si3N4 Surface after Excimer Laser Radiation. *Journal of the Ceramic Society of Japan*, **1995**, 103, 128-131		
98	Scanning Conduction Microscopy: A Method of Probing Abrasion of Insulating Thin Films on Conducting Substrates. *Materials Research Society Symposia Proceedings*, **1995**, 385, 221		
97	Mechanisms of Excimer Laser induced Positive Ion Emission From Ionic Crystals. *Materials Research Society Symposia Proceedings*, **1995**, 388, 15		

96	Chemical Effects of substrate Temperature and Feed Gas Composition on Ion Beam Deposited AlN and AlN:H. *Materials Research Society Symposia Proceedings*, **1995**, 388, 367		1
95	Positive Ion Emission Accompanying UV Irradiation of Single Crystal MgO and NaNO3. *Materials Research Society Symposia Proceedings*, **1995**, 397, 33		1
94	Scanning tunneling microscope observations of the mirror region of silicate glass fracture surfaces. *Journal of Materials Research*, **1994**, 9, 476-485	2.5	38
93	Positive ion emission from excimer laser excited MgO surfaces. *Physical Review Letters*, **1994**, 73, 2630-2633	7.4	81
92	Temperature measurements of the gaseous emission during the fracture of polystyrene: A determination of the fracture energy and fracture surface temperature. *Journal of Polymer Science, Part B: Polymer Physics*, **1994**, 32, 779-784	2.6	12
91	Emission of occluded volatiles during deformation of polycarbonate due to strain-enhanced diffusion. *Journal of Polymer Science, Part B: Polymer Physics*, **1994**, 32, 993-999	2.6	4
90	Chemisorptive electron emission as a probe of plastic deformation in reactive metals. *Journal of Materials Research*, **1994**, 9, 1156-1165	2.5	7
89	Spatial and Temporal Probes of Deformation and Fracture at Interfaces. *Materials Research Society Symposia Proceedings*, **1994**, 367, 95		
88	Interactions of wide band-gap single crystals with 248 nm excimer laser radiation. I. MgO. *Journal of Applied Physics*, **1993**, 74, 2323-2337	2.5	95
87	Neutral and ion emissions accompanying pulsed excimer laser irradiation of polytetrafluoroethylene. *Journal of Applied Physics*, **1993**, 74, 4729-4736	2.5	46
86	Interactions of wide band-gap single crystals with 248 nm excimer laser radiation. II. NaCl. *Journal of Applied Physics*, **1993**, 74, 2338-2346	2.5	58
85	Fracto-emission from high density polyethylene: Bond breaking versus tribological stimulation. *Journal of Applied Physics*, **1993**, 73, 3047-3054	2.5	18
84	Interactions of wide band gap single crystals with 248 nm excimer laser radiation. III. The role of cleavage-induced defects in MgO. *Journal of Applied Physics*, **1993**, 74, 3758-3767	2.5	46
83	Scanning tunneling microscope observations of metallic glass fracture surfaces. *Journal of Materials Research*, **1993**, 8, 2543-2553	2.5	15
82	Recombination on fractal networks: Photon and electron emission following fracture of materials. *Journal of Materials Research*, **1993**, 8, 2921-2932	2.5	15
81	Excimer Laser Interactions with PTFE Relevant to Thin Film Growth. *Materials Research Society Symposia Proceedings*, **1993**, 334, 359		
80	Electron and photon emission accompanying deformation and fracture of polycarbonate. *Journal of Polymer Science, Part B: Polymer Physics*, **1993**, 31, 1229-1243	2.6	31
79	Ar atom emission as a probe of craze formation and craze growth in polystyrene. *Journal of Polymer Science, Part B: Polymer Physics*, **1993**, 31, 1441-1449	2.6	2

78	Molecular CO emission accompanying fracture of polycarbonate: Evidence for chain cleavage. *Journal of Materials Research*, **1993**, 8, 14-17	2.5	5
77	Scanning tunneling microscope observations of polymer fracture surfaces. *Journal of Materials Research*, **1992**, 7, 1292-1302	2.5	10
76	Mechanisms of Excimer Laser Ablation of Wide Band-Gap Materials: The Role of Defects in Single Crystal MgO. *Materials Research Society Symposia Proceedings*, **1992**, 285, 131		4
75	Fracture induced emission of alkali atoms from feldspar. *Physics and Chemistry of Minerals*, **1992**, 18, 453	1.6	8
74	Dissipative Processes Accompanying Fracture **1992**, 1-32		3
73	Fracto-emission accompanying adhesive failure in a model fiber pull-out system. *Makromolekulare Chemie Macromolecular Symposia*, **1991**, 41, 9-23		
72	Ablation of Single Crystal MgO by UV Excimer Irradiation. *Materials Research Society Symposia Proceedings*, **1991**, 236, 21		6
71	Alkali emission accompanying fracture of sodium silicate glasses. *Journal of Materials Research*, **1991**, 6, 1358-1368	2.5	21
70	Atomic and molecular emission following fracture of alkali halides: A dislocation driven process. *Journal of Materials Research*, **1991**, 6, 112-125	2.5	33
69	Fracto-emission from embedded interfaces. *Journal of Applied Physics*, **1991**, 70, 4797-4807	2.5	10
68	Atomic and molecular emission accompanying fracture of single-crystal Ge: A dislocation-driven process. *Physical Review Letters*, **1991**, 66, 2120-2123	7.4	24
67	Fractal character of crack propagation in epoxy and epoxy composites as revealed by photon emission during fracture. *Journal of Materials Research*, **1991**, 6, 183-195	2.5	24
66	Electrical transients during interfacial debonding and pullout of a metal rod from an epoxy matrix. *Journal of Applied Physics*, **1991**, 70, 4808-4815	2.5	18
65	Simultaneous bombardment of wide bandgap materials with UV excimer irradiation and keV electrons. *Lecture Notes in Physics*, **1991**, 301-310	0.8	7
64	Emission of Particles and Photons from the Fracture of Minerals and Inorganic Materials. *ACS Symposium Series*, **1990**, 224-244	0.4	7
63	Fracto-emission from deuterated titanium: Supporting evidence for a fracto-fusion mechanism. *Journal of Materials Research*, **1990**, 5, 109-122	2.5	24
62	Consequences of simultaneous exposure of inorganic solids to excimer laser light and an electron beam. *Journal of Applied Physics*, **1990**, 68, 1831-1836	2.5	37
61	Negative charge emission due to excimer laser bombardment of sodium trisilicate glass. *Journal of Applied Physics*, **1990**, 68, 4253-4257	2.5	16

60	Scanning tunneling microscope observations of MgO fracture surfaces. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **1990**, 8, 3470-3478	2.9	18
59	Fracto-emission during the interfacial failure of a metal□oxide-semiconductor system: Au□SiO2□Si. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **1990**, 8, 2401-2406	2.9	9
58	Mass spectroscopy study of products from exposure of cyclotrimethylene-trinitramine single crystals to KrF excimer laser radiation. *Journal of Applied Physics*, **1990**, 67, 3641-3651	2.5	20
57	Photon emission as a probe of chaotic processes accompanying fracture. *Journal of Materials Research*, **1989**, 4, 1272-1279	2.5	26
56	Positive-ion emission from the fracture of fused silica. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **1989**, 7, 1829-1834	2.9	20
55	The role of damage in post-emission of electrons from cleavage surfaces of single-crystal LiF. *Journal of Applied Physics*, **1989**, 65, 1923-1928	2.5	12
54	Anisotropy effects on fracto-emission from MgF2 single crystals. *Applied Physics Letters*, **1989**, 55, 354-356	3.4	7
53	The interaction of ultraviolet excimer laser light with sodium trisilicate. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **1989**, 7, 2943-2951	2.9	28
52	Electrical charge measurements on ejecta from impact loading of explosive crystals. *Journal of Materials Science*, **1989**, 24, 4453-4457	4.3	4
51	Autographs from Peeling Fiber Reinforced Pressure Sensitive Adhesives: Correlation with Failure Mechanisms **1989**, 30, 13-23		6
50	Fracto-Emission from Interfacial Failure. *Materials Research Society Symposia Proceedings*, **1989**, 153, 331		5
49	Fractoemission from fused silica and sodium silicate glasses. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **1988**, 6, 1084-1089	2.9	70
48	The interaction of excimer laser ultraviolet radiation with Kapton-H in vacuum and under mechanical stress. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **1988**, 6, 941-945	2.9	17
47	Production and Properties of Ejecta Released by Fracture of Materials **1988**, 25, 281-302		25
46	Properties of the Photon Emission Accompanying the Peeling of a Pressure-Sensitive Adhesive **1988**, 25, 63-77		29
45	Excimer Laser Induced Damage in Stressed Polyimide Films Exposed in Air. *Materials Research Society Symposia Proceedings*, **1988**, 100, 665		
44	Excimer Laser Ablation of Sodium Trisilicate Glass. *Materials Research Society Symposia Proceedings*, **1988**, 129, 385		5
43	Photon-Emission From Peeling Pressure Sensitive Adhesives **1988**, 0910, 13		1

42	Fractoemission from Epoxy and Epoxy Composites. *ACS Symposium Series*, **1988**, 145-168	0.4	4
41	Production of free charge carriers during fracture of single-crystal silicon. *Physical Review Letters*, **1987**, 59, 2795-2797	7.4	30
40	Simultaneous measurements of the electron and photon emission accompanying fracture of single-crystal MgO. *Journal of Applied Physics*, **1987**, 62, 1437-1449	2.5	58
39	Autographs from Peeling Pressure Sensitive Adhesives: Direct Recording of Fracture-induced Photon Emission **1987**, 24, 199-220		14
38	Neutral molecule emission from the fracture of crystalline MgO. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **1987**, 5, 1162-1168	2.9	17
37	Fracto-emission accompanying adhesive failure between rocket propellent constituents. *Journal of Applied Physics*, **1987**, 62, 2965-2971	2.5	4
36	Crack initiation and crack growth in polymers induced by electron bombardment. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **1987**, 5, 1076-1081	2.9	2
35	Fracto-emission from neat epoxy resin. *Makromolekulare Chemie Macromolecular Symposia*, **1987**, 7, 129-152		12
34	Time and Size Correlations of Photon and Radiowave Bursts from Peeling Pressure Sensitive Adhesives in Air **1986**, 19, 267-286		21
33	The emission of atoms and molecules accompanying fracture of single-crystal MgO. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **1986**, 4, 1648-52	2.9	33
32	Fracto-emission from single fibres of Kevlar. *Journal of Materials Science*, **1985**, 20, 1835-1841	4.3	5
31	Electron emission and acoustic emission from the fracture of graphite/epoxy composites. *Journal of Materials Science*, **1985**, 20, 229-236	4.3	19
30	Fracto-emission from filled and unfilled polybutadiene. *Journal of Polymer Science, Polymer Physics Edition*, **1985**, 23, 873-888		16
29	Electron-beam-induced fracture of polymers. *Journal of Polymer Science, Polymer Physics Edition*, **1985**, 23, 2273-2293		10
28	Fractoemission from the failure of metal/epoxy interfaces. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **1985**, 3, 1398-1402	2.9	38
27	Fractoemission from single-crystal pentaerythritol tetranitrate. *Journal of Applied Physics*, **1985**, 57, 5048-5055	2.5	7
26	Fractoemission from Lead Zirconate-Titanate. *Journal of the American Ceramic Society*, **1985**, 68, 235-240	3.8	34
25	Time Correlation of Ion and Electron Emission from Surfaces Following Fracture. *Springer Series in Surface Sciences*, **1985**, 281-289	0.4	3

24	Fracto-Emission from Fiber-Reinforced and Particulate Filled Composites **1985**, 111-131		
23	Fracto-Emission from Fiber-Reinforced and Particulate Filled Composites **1985**, 111-131		
22	Fracto-emission: The role of charge separation. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **1984**, 2, 1112-1116	2.9	63
21	Fractoemission from cyclotrimethylenetrinitramine (RDX) explosive single crystals. *Journal of Applied Physics*, **1984**, 55, 3994-3998	2.5	11
20	Electrical Breakdown Induced by Fracto-Emission. *IEEE Transactions on Electrical Insulation*, **1984**, EI-19, 578-585		4
19	Reply to ?comments on ?on the question of emission of charged particles in the case of failure of solids??. *Journal of Materials Science*, **1984**, 19, 2426-2430	4.3	5
18	The effect of cross-linking on fracto-emission from elastomers. *Journal of Materials Science*, **1984**, 19, 1510-1516	4.3	16
17	Electron and positive ion emission accompanying fracture of Wint-o-green Lifesavers and single-crystal sucrose. *The Journal of Physical Chemistry*, **1984**, 88, 1698-1701		42
16	Fracto-Emission Accompanying Adhesive Failure **1984**, 193-243		12
15	Summary Abstract: Correlations in time of electron and positive ion emission accompanying fracture. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **1983**, 1, 1160-1161	2.9	1
14	Fracto-Emission from Filled and Unfilled Elastomers. *Rubber Chemistry and Technology*, **1983**, 56, 927-941	1.7	19
13	Time correlations of electron and positive ion emission accompanying and following fracture of a filled elastomer. *Applied Physics Letters*, **1982**, 41, 443-445	3.4	19
12	Mass-to-charge ratio and kinetic energy of positive ion emission accompanying fracture of a filled elastomer. *Applied Physics Letters*, **1982**, 41, 827-829	3.4	17
11	Fracto-emission accompanying adhesive failure. *Journal of Vacuum Science and Technology*, **1982**, 20, 436-439		45
10	Fracto-emission from pentaerythritol tetranitrate and cyclotetramethylene tetranitramine single crystals. *Applied Physics Letters*, **1982**, 41, 924-926	3.4	23
9	Time-of-flight measurements of the mass-to-charge ratio of positive ion emission accompanying fracture. *Journal of Materials Science*, **1982**, 17, 3173-3178	4.3	12
8	Crack velocity dependence of electron emission during fracture of filled elastomers. *Journal of Polymer Science, Polymer Physics Edition*, **1982**, 20, 1925-1932		19
7	The emission of electrons and positive ions from fracture of materials. *Journal of Materials Science*, **1981**, 16, 2897-2908	4.3	142

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6	Emission of electrons and positive ions upon fracture of oxide films. *Journal of Vacuum Science and Technology*, **1981**, 18, 238-242	21
5	The emission of electrons and positive ions from fracture of materials **1981**, 16, 2897	10
4	Acoustic emission and electron emission during deformation of anodized aluminium. *Journal of Vacuum Science and Technology*, **1980**, 17, 429-432	25
3	Emission of neutral particles from anodized aluminum surfaces during tensile deformation. *Journal of Vacuum Science and Technology*, **1979**, 16, 590-593	17
2	Scattering of Metastable Molecules from a Gas-Covered (100) Surface of Germanium. *Journal of Vacuum Science and Technology*, **1973**, 10, 319-324	7
1	Versatile System for the Study of Molecular Beam Scattering. *Journal of Vacuum Science and Technology*, **1973**, 10, 403-403	