Leonard A Dissado

List of Publications by Year
in descending order

170 papers	6,452 citations	87888 38 h-index	106344 65 g-index
176 all docs	176 docs citations	176 times ranked	2328 citing authors

#	Article	IF	Citations
1	The nature of the gamma dielectric relaxation in diglycidyl ether Bisphenol-A (DGEBA) based epoxies. Polymer, 2022, 249, 124861.	3.8	6
2	The Simultaneous Evolution of Space Charge and Conduction Current in LDPE. IEEE Transactions on Dielectrics and Electrical Insulation, 2021, 28, 616-624.	2.9	5
3	Modeling for life estimation of HVDC cable insulation based on small-size specimens. IEEE Electrical Insulation Magazine, 2020, 36, 19-29.	0.8	9
4	Emergent failure patterns at sub-critical fields in polymeric dielectrics. Journal of Materials Science, 2020, 55, 4748-4761.	3.7	2
5	Investigation of effects of charge injection and intrinsic ionic carriers in low-density polyethylene and cross-linked polyethylene. Journal of Applied Physics, 2020, 127, .	2.5	10
6	Discovery of an unknown conduction mechanism in insulating polymers. High Voltage, 2020, 5, 403-408.	4.7	4
7	Dielectric response and space charge in epoxy impregnated paper composite laminates. IEEE Transactions on Dielectrics and Electrical Insulation, 2019, 26, 1532-1540.	2.9	16
8	Aging mechanisms of polymeric materials under DC electrical stress: A new approach and similarities to mechanical aging. IEEE Transactions on Dielectrics and Electrical Insulation, 2019, 26, 634-641.	2.9	19
9	Dielectric response of nano aluminium tri-hydrate filled silicone rubber. Composites Science and Technology, 2018, 163, 56-62.	7.8	18
10	Numerical Model for Assessing the Impact of AC Ripple Voltage on the Space Charge Accumulation Inside Solid Thin Film Samples. , 2018, , .		3
11	Numerical Model for Assessing the Impact of AC Ripple Voltage on the Space Charge Accumulation Inside Solid Thin Film Samples. , 2018, , .		1
12	Dielectric breakdown at sub-critical fields. Applied Physics Letters, 2018, 113, .	3.3	13
13	Are nano-composites really better DC insulators? A study using silica nanoparticles in XLPE. IEEE Transactions on Dielectrics and Electrical Insulation, 2017, 24, 2268-2270.	2.9	18
14	Development of simulation models for calculating space charge accumulation around defects in a thin film sample under HVDC. , 2017, , .		5
15	Electro-thermal model for calculating the space charge around Defects in a 2-D thin film sample. , 2017, , .		0
16	DC breakdown voltage tests may not be a good indicator of long-term ageing behaviour: A study of silica â€" XLPE nanocomposites. , 2017, , .		1
17	Simulation of electro-thermal ageing and breakdown in polymeric insulation under high frequency trapezoidal-wave pulses. IEEE Transactions on Dielectrics and Electrical Insulation, 2017, 24, 3766-3775.	2.9	9
18	Analysis of electrical tree inception in silicone gels. IEEE Transactions on Dielectrics and Electrical Insulation, 2017, 24, 3974-3984.	2.9	21

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19	Dielectric Response. Springer Handbooks, 2017, , 1-1.	0.6	6
20	Electrical treeing in silicone gel under square voltage: Frequency, rise time and crosslinking influence. , 2016, , .		4
21	Estimating the inverse power law aging exponent for the DC aging of XLPE and its nanocomposites at different temperatures. IEEE Transactions on Dielectrics and Electrical Insulation, 2016, 23, 3504-3513.	2.9	22
22	The role of bulk charge transport processes in electrical tree formation and breakdown mechanisms in epoxy resins. IEEE Transactions on Dielectrics and Electrical Insulation, 2016, 23, 3256-3266.	2.9	38
23	Self-healing during electrical treeing: A feature of the two-phase liquid-solid nature of silicone gels. IEEE Transactions on Dielectrics and Electrical Insulation, 2016, 23, 757-767.	2.9	22
24	Effect of the field frequency during treeing tests in silicone polymers with different degree of crosslinking. , 2015, , .		4
25	Strain produced by electrostatic forces in electrical trees and its relationship with the elastic modulus of the polymer matrix. , 2015, , .		2
26	Mechanism of space charge formation in cross linked polyethylene (XLPE) under temperature gradient. IEEE Transactions on Dielectrics and Electrical Insulation, 2015, 22, 3186-3196.	2.9	44
27	Measuring a possible HVDC insulation killer: fast charge pulses. IEEE Transactions on Dielectrics and Electrical Insulation, 2015, 22, 45-51.	2.9	25
28	Charge density stabilised local electron spin pair states in insulating polymers. Journal of Applied Physics, 2014, 116, 224901.	2.5	11
29	Simulation of space charge distribution in polyethylene under a temperature gradient. , 2014, , .		0
30	Re-examination of the dielectric spectra of epoxy resins: bulk charge transport and interfacial polarization peaks. IEEE Transactions on Dielectrics and Electrical Insulation, 2014, 21, 1330-1341.	2.9	24
31	The hidden threat to HVDC polymeric insulation at design field: Solitonic conduction. IEEE Electrical Insulation Magazine, 2014, 30, 39-50.	0.8	21
32	Study of the factors that suppress space charge accumulation in LDPE nanocomposites. IEEE Transactions on Dielectrics and Electrical Insulation, 2014, 21, 1670-1679.	2.9	46
33	Charge transport in thermally aged paper impregnated with natural ester oil. IEEE Transactions on Dielectrics and Electrical Insulation, 2014, 21, 2318-2328.	2.9	21
34	Space charge formation and conductivity characteristics of PE and oil impregnated paper under a temperature gradient. , 2014, , .		6
35	Dependence of charge accumulation on sample thickness in Nano-SiO₂ doped IDPE. IEEE Transactions on Dielectrics and Electrical Insulation, 2013, 20, 337-345.	2.9	73
36	A new method of estimating the inverse power law ageing parameter of XLPE based on step-stress tests. , 2013, , .		14

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37	Fast charge pulses: The evidence and its interpretation. , 2013, , .		11
38	Electrical trees in silicone gel: A combination of liquid and solid behaviour patterns. , 2013, , .		16
39	Thickness dependence of space charge in XLPE and its nanocomposites under temperature gradient. , 2013, , .		1
40	Influence of cable clamping force on PEA measurements on HVDC mini-cables. , 2013, , .		1
41	Pulse sequence analysis (PSA) on PD data from electrical trees grown in various materials. , 2013, , .		5
42	Study on suppression mechanism of space charge accumulation in nano-doped LDPE. , 2012, , .		6
43	Effect of electrical and thermal stressing on charge traps in XLPE cable insulation. IEEE Transactions on Dielectrics and Electrical Insulation, 2012, 19, 2145-2154.	2.9	45
44	The effect of mechanical relaxation on ultra-fast charge pulses in flexible epoxy resin nanocomposites. Applied Physics A: Materials Science and Processing, 2012, 107, 539-551.	2.3	11
45	Pulse sequence analysis on PD data from electrical trees in flexible epoxy resins. , 2011, , .		17
46	The measurement of very low conductivity and dielectric loss in XLPE cables: a possible method to detect degradation due to thermal aging. IEEE Transactions on Dielectrics and Electrical Insulation, 2011, 18, 1544-1553.	2.9	89
47	Effect of tree channel conductivity on electrical tree shape and breakdown in XLPE cable insulation samples. IEEE Transactions on Dielectrics and Electrical Insulation, 2011, 18, 847-860.	2.9	136
48	A New Ultra Fast Conduction Mechanism in Insulating Polymer Nanocomposites. Journal of Nanotechnology, 2011, 2011, 1-11.	3.4	12
49	The effect of ageing on charge traps in XLPE cable insulation. , 2011, , .		3
50	Fast soliton-like charge pulses in insulating polymers. Journal of Applied Physics, 2011, 109, .	2.5	31
51	A new conduction phenomenon observed in polyethylene and epoxy resin: Ultraâ€fast soliton conduction. Journal of Polymer Science, Part B: Polymer Physics, 2011, 49, 1173-1182.	2.1	33
52	Study of the space charge behavior in polyethylene nano-composites under temperature gradient. , 2011, , .		8
53	Fast pulse-like conduction in XLPE based materials detected through charging current measurements. , 2010, , .		9
54	Space charge measurements on different epoxy resin-alumina nanocomposites. , 2010, , .		7

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55	Statistical behavior of electrical breakdown in insulating polymers. Journal of Applied Physics, 2010, 107, .	2.5	26
56	The effect of dc poling duration on space charge relaxation in virgin XLPE cable peelings. Journal Physics D: Applied Physics, 2010, 43, 215401.	2.8	26
57	Influence of the temperature on the dielectric properties of epoxy resins. , 2010, , .		12
58	The origin and nature of ‘charge packets’: A short review. , 2010, , .		14
59	Connection between disorder in morphology and stochastic nature of electrical breakdown in insulating polymers. , 2010, , .		1
60	Simulation of DC electrical ageing in insulating polymer films. IEEE Transactions on Dielectrics and Electrical Insulation, 2010, 17, 890-897.	2.9	16
61	Effect of mechanical stress on fast pulse-like conduction in XLPE based materials. , 2010, , .		4
62	Influence of absorbed moisture on the dielectric properties of epoxy resins. , 2010, , .		11
63	Effect of Temperature and Voltage Application Time on Space Charge Decay of LDPE and HDPE. IEEJ Transactions on Fundamentals and Materials, 2010, 130, 607-608.	0.2	0
64	Effect of long-time electrical and thermal stresses upon the endurance capability of cable insulation material. IEEE Transactions on Dielectrics and Electrical Insulation, 2009, 16, 1436-1443.	2.9	51
65	“Sub-hertz” dielectric spectroscopy. , 2009, , .		0
66	Flashover Characteristic of Epoxy Composites Filled With Different Micro-Inorganic Oxide Particles Under Nanosecond Pulse in Vacuum. IEEE Transactions on Plasma Science, 2009, 37, 195-203.	1.3	38
67	Ultra-fast space charge packets in nanostructured epoxy-based materials. , 2009, , .		12
68	Surface degradation on XLPE under PD activity. , 2009, , .		1
69	Fast and slow charge packets in polymeric materials under DC stress. IEEE Transactions on Dielectrics and Electrical Insulation, 2009, 16, 241-250.	2.9	90
70	Space charge accumulation due to ultra-fast charge packets in XLPE insulated cables: the effect of temperature and field. , 2009, , .		17
71	High mobility conduction in insulating polymers through fast soliton-like charge pulses. Journal of Physics: Conference Series, 2009, 183, 012010.	0.4	17
72	HVDC Cable Design and Space Charge Accumulation. Part 3: Effect of Temperature Gradient [Feature article]. IEEE Electrical Insulation Magazine, 2008, 24, 5-14.	0.8	160

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73	Model of ageing inception and growth from microvoids in polyethylene-based materials under AC voltage. , 2008, , .		13
74	Space charge formation and its modified electric field under applied voltage reversal and temperature gradient in XLPE cable. IEEE Transactions on Dielectrics and Electrical Insulation, 2008, 15, 851-860.	2.9	159
75	Simulation of electrical ageing in insulating polymers using a quantitative physical model. Journal Physics D: Applied Physics, 2008, 41, 085412.	2.8	20
76	The Effect of Gamma Irradiation on Space Charge Behaviour and Dielectric Spectroscopy of Low-density Polyethylene. , 2007, , .		14
77	The Fading of Memory During the Regression of Structural Fluctuations. Advances in Chemical Physics, 2007, , 253-292.	0.3	28
78	Influence of thermal treatment and residues on space charge accumulation in XLPE for DC power cable application. IEEE Transactions on Dielectrics and Electrical Insulation, 2007, 14, 53-64.	2.9	84
79	Molecular Dynamics Simulation on Hollandite Na_x(Ti_{8-x}Cr_x) O₁₆: Dependence of DC Conductivity upon Temperature and Concentration. , 2007, , .		0
80	Temperature dependence of charge packet velocity in XLPE cable peelings. , 2007, , .		14
81	Fast charge packet dynamics in XLPE insulated cable models. , 2007, , .		22
82	Polymeric HVDC Cable Design and Space Charge Accumulation. Part 1: Insulation/Semicon Interface. IEEE Electrical Insulation Magazine, 2007, 23, 11-19.	0.8	190
83	Dielectric Response. , 2006, , 187-212.		7
84	Short time decay of space charge in epoxy resin. , 2006, , .		1
85	The Effect of Temperature Gradient on Space Charge and Electric Field Distribution of HVDC Cable Models. , 2006, , .		14
86	Models of bipolar charge transport in polyethylene. Journal of Applied Physics, 2006, 100, 104105.	2.5	151
87	Decay of space charge in a glassy epoxy resin following voltage removal. IEEE Transactions on Dielectrics and Electrical Insulation, 2006, 13, 903-916.	2.9	73
88	Short Time Interval Decay Measurement of Space Charge in Epoxy Resin. IEEJ Transactions on Fundamentals and Materials, 2006, 126, 260-261.	0.2	6
89	The nature of terahertz motions in a one-dimensional disordered structure. Journal Physics D: Applied Physics, 2006, 39, 3882-3887.	2.8	3
90	Space charge behaviour in epoxy laminates under high constant electric field. Journal Physics D: Applied Physics, 2005, 38, 2890-2898.	2.8	14

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91	Application of thermoelectric aging models to polymeric insulation in cable geometry. IEEE Transactions on Dielectrics and Electrical Insulation, 2005, 12, 1-10.	2.9	19
92	Percolation model for electrical breakdown in insulating polymers. Applied Physics Letters, 2004, 85, 4454.	3.3	48
93	The contribution of discharge area variation to partial discharge patterns in disc-voids. Journal Physics D: Applied Physics, 2004, 37, 1815-1823.	2.8	77
94	Electrical, microstructural, physical and chemical characterization of hv xlpe cable peelings for an electrical aging diagnostic data base. IEEE Transactions on Dielectrics and Electrical Insulation, 2003, 10, 514-527.	2.9	111
95	Anomalous dielectric response of very small quantities of virgin, aged and failed silicone oil. IEEE Transactions on Dielectrics and Electrical Insulation, 2003, 10, 336-342.	2.9	7
96	A novel electrical model of nerve and muscle using Pspice. Journal Physics D: Applied Physics, 2003, 36, 311-329.	2.8	10
97	Improvement of PEA signal analysis using simulations for complex geometry samples. Journal Physics D: Applied Physics, 2002, 35, 19-24.	2.8	10
98	Electroluminescence excitation mechanisms in an epoxy resin under divergent and uniform field. IEEE Transactions on Dielectrics and Electrical Insulation, 2002, 9, 150-160.	2.9	18
99	Photoluminescence, recombination induced luminescence and electroluminescence in epoxy resin. Journal Physics D: Applied Physics, 2001, 34, 2534-2540.	2.8	27
100	Charge distribution and electroluminescence in cross-linked polyethylene under dc field. Journal Physics D: Applied Physics, 2001, 34, 2830-2844.	2.8	89
101	Electric field criteria for charge packet formation and movement in XLPE. IEEE Transactions on Dielectrics and Electrical Insulation, 2001, 8, 859-866.	2.9	66
102	Measurement of space-charge distributions in solid insulators under rapidly varying voltage using the high-voltage, high-speed pulsed electro-acoustic (PEA) apparatus. Measurement Science and Technology, 2001, 12, 1227-1234.	2.6	24
103	A deterministic model for branched structures in the electrical breakdown of solid polymeric dielectrics. Journal Physics D: Applied Physics, 2000, 33, L109-L112.	2.8	46
104	Evidence for deterministic chaos as the origin of electrical tree breakdown structures in polymeric insulation. Physical Review B, 1995, 52, R16985-R16988.	3.2	30
105	Dynamic scaling in the dielectric response of excised EMT-6 tumours undergoing hyperthermia. Physics in Medicine and Biology, 1995, 40, 1067-1084.	3.0	26
106	Physical model for breakdown structures in solid dielectrics. Physical Review B, 1993, 48, 16261-16268.	3.2	107
107	Simulation of the effect of barriers upon electrical tree propagation. Journal Physics D: Applied Physics, 1992, 25, 113-119.	2.8	25
108	A.C. dielectric spectroscopy of oxonol dyes . A versatile probe for the examination of charge in organic semiconductors. Journal of Materials Chemistry, 1992, 2, 423.	6.7	3

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110	Electrical Degradation and Breakdown in Polymers. , 1992, , .		1,270
111	Invariant behaviour classes for the response of simple fractal circuits. Journal of Physics Condensed Matter, 1991, 3, 9773-9790.	1.8	29
112	On the observation of micellar structures by dielectric spectroscopy. Colloid and Polymer Science, 1991, 269, 938-948.	2.1	2
113	The effect of aluminium inclusions on the dielectric breakdown of polyethylene. Journal Physics D: Applied Physics, 1990, 23, 1554-1561.	2.8	55
114	Stochastic modelling of electrical treeing: fractal and statistical characteristics. Journal Physics D: Applied Physics, 1990, 23, 1536-1545.	2.8	107
115	Theoretical basis for the statistics of dielectric breakdown. Journal Physics D: Applied Physics, 1990, 23, 1582-1591.	2.8	92
116	A fractal interpretation of the dielectric response of animal tissues. Physics in Medicine and Biology, 1990, 35, 1487-1503.	3.0	63
117	Dielectric breakdown in metal-loaded polyethylene. Journal of Physics Condensed Matter, 1989, 1, 3041-3045.	1.8	13
118	Power-law decay of conductance during the drying of latex paints. Journal Physics D: Applied Physics, 1989, 22, 713-716.	2.8	5
119	The fractal nature of the cluster model dielectric response functions. Journal of Applied Physics, 1989, 66, 2511-2524.	2.5	111
120	Memory functions for mechanical relaxation in viscoelastic materials. Journal of Materials Science, 1989, 24, 375-380.	3.7	3
121	An analysis of field-dependent water tree growth models. IEEE Transactions on Electrical Insulation, 1988, 23, 345-356.	0.8	10
122	Constant-phase-angle and power-law regimes in the frequency response of a general determinate fractal circuit. Physical Review B, 1988, 37, 3434-3439.	3.2	55
123	Reply to `Glass-like dielectric behaviour of K2CrO4'. Journal of Physics C: Solid State Physics, 1988, 21, 6221-6223.	1.5	0
124	Is there an intermediate dipole glass state at the Î±-Î² transition of K2CrO4?. Journal of Physics C: Solid State Physics, 1987, 20, L929-L933.	1.5	6
125	The low-frequency dielectric properties of leaves. Journal of Biological Physics, 1987, 15, 2-16.	1.5	49
126	A Dielectric Study of the Solid Phases of M.B.B.A. Molecular Crystals and Liquid Crystals, 1986, 135, 65-91.	0.8	10

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127	The Distribution in Length of Vented Water Trees. IEEE Transactions on Electrical Insulation, 1986, EI-21, 651-655.	0.8	8
128	Response to the preceding comments by G. Marin. Rheologica Acta, 1986, 25, 654-655.	2.4	0
129	The dielectric response ofPortulacaceae (Jade) leaves over an extended frequency range. Journal of Biological Physics, 1986, 14, 133-135.	1.5	42
130	Censored Weibull statistics in the dielectric breakdown of thin oxide films. Journal of Physics C: Solid State Physics, 1986, 19, 6263-6285.	1.5	37
131	The dielectric properties of a commercial polyvinylchloride. Journal of Materials Science, 1985, 20, 3716-3728.	3.7	6
132	Viscoelastic response. Rheologica Acta, 1985, 24, 537-539.	2.4	3
133	The production of a dielectric-loss maximum by slow phase transformations. Journal of Physics C: Solid State Physics, 1985, 18, 655-659.	1.5	1
134	Debye and non-Debye relaxation. Journal of Physics C: Solid State Physics, 1985, 18, 3829-3836.	1.5	97
135	Dielectric relaxation in a transition-metal glass. Journal of Physics C: Solid State Physics, 1984, 17, 6001-6008.	1.5	5
136	Nonconductive long-range charge transport in hydrated biopolymers. Journal of Biological Physics, 1984, 12, 63-78.	1.5	25
137	The dynamics of mechanical relaxation in polyisobutylene. Journal of Polymer Science, Polymer Physics Edition, 1984, 22, 1991-2008.	1.0	8
138	Relaxation in elastic and viscoelastic materials. Journal of Materials Science, 1984, 19, 1576-1595.	3.7	25
139	Influence of adsorbed water on the dielectric response of a ceramic material. Journal of the Chemical Society Faraday Transactions I, 1984, 80, 325.	1.0	26
140	Anomalous low-frequency dispersion. Near direct current conductivity in disordered low-dimensional materials. Journal of the Chemical Society, Faraday Transactions 2, 1984, 80, 291.	1.1	311
141	A Study of the Factors Influencing Water Tree Growth. IEEE Transactions on Electrical Insulation, 1983, EI-18, 565-585.	0.8	39
142	Influence of electrical fields on the nucleation of crystal growth in some cycloalcohols. Journal of the Chemical Society, Faraday Transactions 2, 1983, 79, 1443.	1.1	8
143	Structure and dipole relaxation mechanisms in the cyclic alcohols cyclopentanol to cyclo-octanol. Journal of the Chemical Society, Faraday Transactions 2, 1983, 79, 369.	1.1	44
144	Ferroelectric response of dopants in finite-grain-sized perovskite ceramics. Journal of Physics C: Solid State Physics, 1983, 16, 4041-4055.	1.5	8

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145	Dynamic scaling and the first-order character of ferroelectric transitions. Journal of Physics C: Solid State Physics, 1983, 16, 4023-4039.	1.5	14
146	Theoretical basis for the statistics of dielectric breakdown. Journal of Physics C: Solid State Physics, 1983, 16, 2145-2156.	1.5	74
147	Examination of the statistics of dielectric breakdown. Journal of Physics C: Solid State Physics, 1983, 16, 4447-4468.	1.5	46
148	The temperature dependence of relaxation processes. Journal of Physics C: Solid State Physics, 1982, 15, 5171-5193.	1.5	74
149	Dielectric Relaxation and the Structure of Condensed Matter. Physica Scripta, 1982, T1, 110-114.	2.5	34
150	Examination of the dielectric susceptibility of poly(Î³-benzyl-L-glutamate). Journal of the Chemical Society, Faraday Transactions 2, 1982, 78, 81-93.	1.1	16
151	Dielectric examination of glass-forming systems. Part 2.â€”Chloronaphthalene in pyridine. Journal of the Chemical Society, Faraday Transactions 2, 1982, 78, 639-655.	1.1	12
152	Dielectric examination of glass-forming systems. Part 1.â€”Simple systems. Journal of the Chemical Society, Faraday Transactions 2, 1982, 78, 625-638.	1.1	19
153	Characterization of the Growth of Water Trees. IEEE Transactions on Electrical Insulation, 1982, EI-17, 392-398.	0.8	8
154	Co-operative effects in non-linear relaxation. Journal of Materials Science, 1981, 16, 638-648.	3.7	16
155	Dynamic scaling near the ferromagnetic phase transition of YIG. Journal of Physics C: Solid State Physics, 1981, 14, L649-L654.	1.5	7
156	The examination of correlated noise. Journal of Physics C: Solid State Physics, 1981, 14, 3915-3926.	1.5	22
157	Co-operative effects in non-linear relaxation. Journal of Materials Science, 1981, 16, 638-648.	3.7	1
158	Comments on Manyâ€Body Dielectric Relaxation in Solids. Physica Status Solidi (B): Basic Research, 1980, 102, 351-356.	1.5	14
159	Dielectric behaviour of materials undergoing dipole alignment transitions. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1980, 41, 625-642.	0.6	114
160	Non-exponential decay in dielectrics and dynamics of correlated systems. Nature, 1979, 279, 685-689.	27.8	266
161	A relationship between the amplitude of the susceptibility and the frequency of the maximum dielectric loss. Nature, 1979, 281, 286-287.	27.8	16
162	Strong and Weak Exciton-Phonon Coupling in Molecular Crystals. Molecular Crystals and Liquid Crystals, 1978, 44, 309-321.	0.8	15

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163	Phonon scattering and exciton linewidths in naphthalene and phenanthrene molecular crystals. Journal of the Chemical Society, Faraday Transactions 2, 1977, 73, 1262.	1.1	4
164	Resonance interaction between optically active molecules in a crystal. Journal of Physics C: Solid State Physics, 1974, 7, 463-480.	1.5	2
165	Normal modes of excitation for a finite anisotropic crystalline array of polarizable dipoles. Journal of Physics C: Solid State Physics, 1973, 6, 158-173.	1.5	4
166	Absorption intensities of molecular crystals. Journal of Physics C: Solid State Physics, 1971, 4, 1874-1884.	1.5	1
167	Absorption and refraction of radiation by liquids. I. Refraction by pure liquids. Journal of Physics A: General Physics, 1970, 3, 595-607.	0.8	2
168	Absorption and refraction of radiation by liquids. II. Solvent effects on the absorption intensity. Journal of Physics A: General Physics, 1970, 3, 608-617.	0.8	3
169	Electromagnetic dipole interaction in a condensed medium. Journal of Physics C: Solid State Physics, 1970, 3, 94-106.	1.5	12
170	Radiation Damping of Exciton States. Journal of Chemical Physics, 1968, 48, 516-517.	3.0	6