Panagiotis A Varotsos

List of Publications by Year in Descending Order

231 papers	7,448 citations	53 h-index	81 g-index
240 ext. papers	8,063 ext. citations	3.3 avg, IF	6.02 L-index

#	Paper	IF	Citations
231	Thermodynamics of Point Defects in Solids and Relation with the Bulk Properties: Recent Results. *Crystals*, **2022**, 12, 686	2.3	0
230	Order Parameter and Entropy of Seismicity in Natural Time before Major Earthquakes: Recent Results. *Geosciences (Switzerland)*, **2022**, 12, 225	2.7	3
229	The unusual case of the ultra-deep 2015 Ogasawara earthquake (MW7.9): Natural time analysis. *Europhysics Letters*, **2021**, 135, 49002	1.6	2
228	Remote sensing natural time analysis of heartbeat data by means of a portable photoplethysmography device. *International Journal of Remote Sensing*, **2021**, 42, 2292-2302	3.1	3
227	Natural Time Analysis: The Area under the Receiver Operating Characteristic Curve of the Order Parameter Fluctuations Minima Preceding Major Earthquakes. *Entropy*, **2020**, 22,	2.8	15
226	Fluctuations of the entropy change under time reversal: Further investigations on identifying the occurrence time of an impending major earthquake. *Europhysics Letters*, **2020**, 130, 29001	1.6	16
225	Precursory variations of Tsallis non-extensive statistical mechanics entropic index associated with the M9 Tohoku earthquake in 2011. *European Physical Journal: Special Topics*, **2020**, 229, 851-859	2.3	3
224	Self-organized criticality and earthquake predictability: A long-standing question in the light of natural time analysis. *Europhysics Letters*, **2020**, 132, 29001	1.6	16
223	Natural Time Analysis of Seismicity within the Mexican Flat Slab before the M7.1 Earthquake on 19 September 2017. *Entropy*, **2020**, 22,	2.8	6
222	Applying the cB□thermodynamical model to LiF using its equation of state obtained from high pressure diamond anvil cell measurements. *Solid State Ionics*, **2020**, 354, 115404	3.3	1
221	Phenomena preceding major earthquakes interconnected through a physical model. *Annales Geophysicae*, **2019**, 37, 315-324	2	24
220	Natural time analysis: Important changes of the order parameter of seismicity preceding the 2011 M9 Tohoku earthquake in Japan. *Europhysics Letters*, **2019**, 125, 69001	1.6	13
219	Identifying the Occurrence Time of the Deadly Mexico M8.2 Earthquake on 7 September 2017. *Entropy*, **2019**, 21,	2.8	8
218	Natural Time Analysis: Results Related to Two Earthquakes in Greece during 2019. *Proceedings (mdpi)*, **2019**, 24, 20	0.3	2
217	A Prototype Photoplethysmography Electronic Device that Distinguishes Congestive Heart Failure from Healthy Individuals by Applying Natural Time Analysis. *Electronics (Switzerland)*, **2019**, 8, 1288	2.6	21
216	Identifying the occurrence time of an impending major earthquake by means of the fluctuations of the entropy change under time reversal. *Europhysics Letters*, **2019**, 128, 49001	1.6	5
215	Investigation of the temporal correlations between earthquake magnitudes before the Mexico M8.2 earthquake on 7 September 2017. *Physica A: Statistical Mechanics and Its Applications*, **2019**, 517, 475-483	3.3	8

214	Anomalous mesospheric ozone variability is not a precursor to earthquakes: A case study in Greece. *Journal of Atmospheric and Solar-Terrestrial Physics*, **2018**, 179, 181-184	2	1
213	The Complexity Measures Associated with the Fluctuations of the Entropy in Natural Time before the Deadly M□ico M8.2 Earthquake on 7 September 2017. *Entropy*, **2018**, 20,	2.8	22
212	Seismic electric signals in seismic prone areas. *Earthquake Science*, **2018**, 31, 44-51	1.5	8
211	A remarkable change of the entropy of seismicity in natural time under time reversal before the super-giant M9 Tohoku earthquake on 11 March 2011. *Europhysics Letters*, **2018**, 124, 29001	1.6	27
210	Effects of Near Wall Modeling in the Improved-Delayed-Detached-Eddy-Simulation (IDDES) Methodology. *Entropy*, **2018**, 20,	2.8	14
209	Tsallis Entropy Index and the Complexity Measure of Seismicity in Natural Time under Time Reversal before the M9 Tohoku Earthquake in 2011. *Entropy*, **2018**, 20,	2.8	20
208	Natural time analysis: On the deadly Mexico M8.2 earthquake on 7 September 2017. *Physica A: Statistical Mechanics and Its Applications*, **2018**, 506, 625-634	3.3	30
207	Natural Time Analysis of Seismic Time Series **2018**, 199-235		2
206	Identifying the occurrence time of an impending major earthquake: a review. *Earthquake Science*, **2017**, 30, 209-218	1.5	22
205	M W9 Tohoku earthquake in 2011 in Japan: precursors uncovered by natural time analysis. *Earthquake Science*, **2017**, 30, 183-191	1.5	7
204	Statistical Significance of Minimum of the Order Parameter Fluctuations of Seismicity Before Major Earthquakes in Japan. *Pure and Applied Geophysics*, **2016**, 173, 165-172	2.2	13
203	On the Motivation and Foundation of Natural Time Analysis: Useful Remarks. *Acta Geophysica*, **2016** , 64, 841-852	2.2	7
202	Identifying the occurrence time of an impending mainshock: a very recent case. *Earthquake Science*, **2015**, 28, 215-222	1.5	11
201	Spatiotemporal variations of seismicity before major earthquakes in the Japanese area and their relation with the epicentral locations. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 986-9	11.5	65
200	Study of the temporal correlations in the magnitude time series before major earthquakes in Japan. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 9192-9206	2.6	71
199	Seismic Electric Signals: An additional fact showing their physical interconnection with seismicity. *Tectonophysics*, **2013**, 589, 116-125	3.1	90
198	Minimum of the order parameter fluctuations of seismicity before major earthquakes in Japan. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 13734-8	11.5	101
197	Order parameter fluctuations in natural time and <i>b</i>-value variation before large earthquakes. *Natural Hazards and Earth System Sciences*, **2012**, 12, 3473-3481	3.9	24

196	Remarkable changes in the distribution of the order parameter of seismicity before mainshocks. *Europhysics Letters*, **2012**, 100, 39002	1.6	14
195	Scale-specific order parameter fluctuations of seismicity before mainshocks: Natural time and Detrended Fluctuation Analysis. *Europhysics Letters*, **2012**, 99, 59001	1.6	33
194	Natural time analysis of critical phenomena. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 11361-4	11.5	105
193	Identifying long-range correlated signals upon significant periodic data loss. *Tectonophysics*, **2011**, 503, 189-194	3.1	5
192	The change of the entropy in natural time under time-reversal in the Olami□Feder□Christensen earthquake model. *Tectonophysics*, **2011**, 513, 49-53	3.1	41
191	Scale-specific order parameter fluctuations of seismicity in natural time before mainshocks. *Europhysics Letters*, **2011**, 96, 59002	1.6	85
190	Similarity of fluctuations in systems exhibiting Self-Organized Criticality. *Europhysics Letters*, **2011**, 96, 28006	1.6	33
189	Natural Time Analysis: The New View of Time **2011**,		120
188	Introduction to Seismic Electric Signals **2011**, 3-115		14
187	Entropy in Natural Time **2011**, 159-187		1
186	Natural Time Analysis of Electrocardiograms **2011**, 381-435		2
185	Natural Time Analysis of Seismicity **2011**, 247-289		
184	Natural Time. Background **2011**, 119-157		
183	Natural Time Analysis of Dynamical Models **2011**, 341-380		1
182	Natural Time Investigation of the Effect of Significant Data Loss on Identifying Seismic Electric Signals **2011**, 237-245		
181	Identifying the Occurrence Time of an Impending Mainshock **2011**, 291-339		
180	Natural Time Analysis of Seismic Electric Signals **2011**, 191-235		
179	Effect of significant data loss on identifying electric signals that precede rupture estimated by detrended fluctuation analysis in natural time. *Chaos*, **2010**, 20, 033111	3.3	14

178	Order parameter fluctuations of seismicity in natural time before and after mainshocks. *Europhysics Letters*, **2010**, 91, 59001	1.6	58
177	Natural-time analysis of critical phenomena: The case of seismicity. *Europhysics Letters*, **2010**, 92, 29002	1.6	31
176	Nonextensivity and natural time: The case of seismicity. *Physical Review E*, **2010**, 82, 021110	2.4	98
175	The importance of anharmonic effects in models that interconnect point defect parameters with bulk properties in solids. *Journal of Applied Physics*, **2009**, 105, 083524	2.5	15
174	Multiplicative cascades and seismicity in natural time. *Physical Review E*, **2009**, 80, 022102	2.4	37
173	Detrended fluctuation analysis of the magnetic and electric field variations that precede rupture. *Chaos*, **2009**, 19, 023114	3.3	81
172	Heart rate variability in natural time and 1/f noise. *Europhysics Letters*, **2009**, 87, 18003	1.6	27
171	Fluctuations, under time reversal, of the natural time and the entropy distinguish similar looking electric signals of different dynamics. *Journal of Applied Physics*, **2008**, 103, 014906	2.5	79
170	Investigation of seismicity after the initiation of a Seismic Electric Signal activity until the main shock. *Proceedings of the Japan Academy Series B: Physical and Biological Sciences*, **2008**, 84, 331-43	4	103
169	Comment on "Seismomagnetic Effects from the Long-Awaited 28 September 2004 M 6.0 Parkfield Earthquake" by M. J. S. Johnston, Y. Sasai, G. D. Egbert, and R. J. Mueller. *Bulletin of the Seismological Society of America*, **2008**, 98, 2087-2089	2.3	
168	Point defect parameters in PbF2 revisited. *Solid State Ionics*, **2008**, 179, 438-441	3.3	74
167	Defect volumes and the equation of state in PbF2. *Physical Review B*, **2007**, 76,	3.3	27
166	Electric pulses some minutes before earthquake occurrences. *Applied Physics Letters*, **2007**, 90, 064104	3.4	12
165	Identifying sudden cardiac death risk and specifying its occurrence time by analyzing electrocardiograms in natural time. *Applied Physics Letters*, **2007**, 91, 064106	3.4	72
164	Calculation of point defect parameters in diamond. *Physical Review B*, **2007**, 75,	3.3	62
163	Self-diffusion in sodium under pressure revisited. *Journal of Physics Condensed Matter*, **2007**, 19, 176231	1.8	6
162	Comparison of models that interconnect point defect parameters in solids with bulk properties. *Journal of Applied Physics*, **2007**, 101, 123503	2.5	118
161	Entropy of seismic electric signals: analysis in natural time under time reversal. *Physical Review E*, **2006**, 73, 031114	2.4	115

160	Flux avalanches in YBa2Cu3O7 films and rice piles: Natural time domain analysis. *Physical Review B*, **2006**, 73,	3.3	27
159	Attempt to distinguish long-range temporal correlations from the statistics of the increments by natural time analysis. *Physical Review E*, **2006**, 74, 021123	2.4	115
158	On the recent advances in the study of seismic electric signals (VAN method). *Physics and Chemistry of the Earth*, **2006**, 31, 189-197	3	7
157	Magnetolelluric data collection and analysis in the SES sensitive site of Ioannina area (Greece). *Physics and Chemistry of the Earth*, **2006**, 31, 198-203	3	
156	Additional evidence on some relationship between Seismic Electric Signals (SES) and earthquake focal mechanism. *Tectonophysics*, **2006**, 412, 279-288	3.1	19
155	What happened before the last five strong earthquakes in Greece: Facts and open questions. *Proceedings of the Japan Academy Series B: Physical and Biological Sciences*, **2006**, 82, 86-91	4	11
154	Recent Seismic Electric Signals (SES) activities in Greece. *Acta Geophysica*, **2006**, 54, 158-164	2.2	8
153	A Review on Friction **2006**, 91-111		
152	Comment on Electrical conductivity and crustal structure beneath the central Hellenides around the Gulf of Corinth (Greece) and their relationship with the seismotectonics by Phamet al.. *Geophysical Journal International*, **2005**, 162, 332-336	2.6	0
151	Some properties of the entropy in the natural time. *Physical Review E*, **2005**, 71, 032102	2.4	105
150	Similarity of fluctuations in correlated systems: the case of seismicity. *Physical Review E*, **2005**, 72, 041103	2.4	142
149	Origin of the usefulness of the natural-time representation of complex time series. *Physical Review Letters*, **2005**, 94, 170601	7.4	75
148	Time-difference between the electric field components of signals prior to major earthquakes. *Applied Physics Letters*, **2005**, 86, 194101	3.4	8
147	Natural entropy fluctuations discriminate similar-looking electric signals emitted from systems of different dynamics. *Physical Review E*, **2005**, 71, 011110	2.4	78
146	Entropy in the natural time domain. *Physical Review E*, **2004**, 70, 011106	2.4	84
145	On the difference in the rise times of the two SES electric field components. *Proceedings of the Japan Academy Series B: Physical and Biological Sciences*, **2004**, 80, 276-282	4	5
144	A plausible universal behaviour of earthquakes in the natural time-domain. *Proceedings of the Japan Academy Series B: Physical and Biological Sciences*, **2004**, 80, 283-289	4	42
143	A plausible explanation of the b-value in the Gutenberg-Richter law from first Principles. *Proceedings of the Japan Academy Series B: Physical and Biological Sciences*, **2004**, 80, 429-434	4	14

142	Electric fields that "arrive" before the time derivative of the magnetic field prior to major earthquakes. *Physical Review Letters*, **2003**, 91, 148501	7.4	93
141	Attempt to distinguish electric signals of a dichotomous nature. *Physical Review E*, **2003**, 68, 031106	2.4	140
140	Long-range correlations in the electric signals that precede rupture: further investigations. *Physical Review E*, **2003**, 67, 021109	2.4	157
139	Long-range correlations in the electric signals that precede rupture. *Physical Review E*, **2002**, 66, 011902	2.4	252
138	Magnetic field near the outcrop of an almost horizontal conductive sheet. *Journal of Geodynamics*, **2002**, 33, 463-476	2.2	27
137	Magnetovariational and Magnetotelluric study of Ioannina region sensitive to Seismic Electric Signals (SES). I. *Journal of Atmospheric Electricity*, **2002**, 22, 113-137	0.1	3
136	Large low frequency dielectric constant exhibited by hydrated rock materials. *Proceedings of the Japan Academy Series B: Physical and Biological Sciences*, **2001**, 77, 19-23	4	4
135	Magnetic field variations associated with SES. *Proceedings of the Japan Academy Series B: Physical and Biological Sciences*, **2001**, 77, 87-92	4	11
134	Magnetic field variations associated with the SES before the 6.6 Grevena-Kozani earthquake. *Proceedings of the Japan Academy Series B: Physical and Biological Sciences*, **2001**, 77, 93-97	4	17
133	Detection of electromagnetic earthquake precursory signals in Greece. *Proceedings of the Japan Academy Series B: Physical and Biological Sciences*, **2000**, 76, 45-50	4	24
132	Field experimentation on the detectability of co-seismic electric signals. *Proceedings of the Japan Academy Series B: Physical and Biological Sciences*, **2000**, 76, 51-56	4	14
131	Dielectric and electrical properties of polycrystalline rocks at various hydration levels. *IEEE Transactions on Dielectrics and Electrical Insulation*, **2000**, 7, 493-497	2.3	12
130	Interconnection of defect parameters and stress-induced electric signals in ionic crystals. *Physical Review B*, **1999**, 59, 24-27	3.3	80
129	A review on the statistical significance of VAN predictions. *Physics and Chemistry of the Earth*, **1999**, 24, 111-114		1
128	Prediction of the 6.6 Grevena-Kozani earthquake of May 13, 1995. *Physics and Chemistry of the Earth*, **1999**, 24, 115-121		12
127	Numerical model of the selectivity effect and the V/L criterion. *Geophysical Research Letters*, **1999**, 26, 3245-3248	4.9	49
126	Numerical model of the selectivity effect and the V/L criterion. *Geophysical Research Letters*, **1999**, 26, 3245-3248	4.9	4
125	Transmission of stress induced electric signals in dielectric media. *Journal of Applied Physics*, **1998**, 83, 60-70	2.5	91

124	Study of the Denaturation Process in Albumin–Urea Solutions by Means of the Thermally Stimulated Depolarization Currents Technique. *The Journal of Physical Chemistry*, **1996**, 100, 1914-1917		6
123	Basic principles for evaluating an earthquake prediction method. *Geophysical Research Letters*, **1996**, 23, 1295-1298	4.9	27
122	Reply to "A few considerations for ascribing statistical significance to earthquake predictions," by P. B Stark. *Geophysical Research Letters*, **1996**, 23, 1403-1405	4.9	
121	Reply to "Statistical evaluation of the VAN Method using the historic earthquake catalog in Greece," by Richard L. Aceves, Stephen K. Park and David J. Strauss. *Geophysical Research Letters*, **1996**, 23, 1429-1431	4.9	
120	Reply to "Probability of chance correlations of earthquakes with predictions in areas of heterogeneous seismicity rate: The VAN Case," by M. Wyss and A. Allmann. *Geophysical Research Letters*, **1996**, 23, 1311-1314	4.9	1
119	Reply to "VAN earthquake predictions-An attempt at statistical evaluation," by Y.Y. Kagan. *Geophysical Research Letters*, **1996**, 23, 1319-1321	4.9	
118	Reply to "The VAN earthquake predictions," by D. A. Rhoades and F. F. Evison. *Geophysical Research Letters*, **1996**, 23, 1375-1378	4.9	
117	Reply to "A false alarm based on electrical activity recorded at a VAN-Station in northern Greece in December 1990," by J. Drakopoulos and G. Stavrakakis. *Geophysical Research Letters*, **1996**, 23, 1359-1362	4.9	4
116	Reply to "Statistical tests of VAN earthquake predictions: Comments and reflections," by Y. Kagan and D.D. Jackson. *Geophysical Research Letters*, **1996**, 23, 1437-1440	4.9	
115	Reply II to "VAN: Candidacy and validation with the latest laws of the game," by F. Mulargia and P. Gasperini and "Precursor candidacy and validation: The VAN Case so far," by F. Mulargia and P. Gasperini. *Geophysical Research Letters*, **1996**, 23, 1335-1338	4.9	
114	Reply to "Probability of earthquake occurrence in Greece with special reference to the VAN predictions," by Y. Honkura and N. Tanaka. *Geophysical Research Letters*, **1996**, 23, 1421-1423	4.9	
113	Reply to "Dicing with earthquakes," by Paul W. Burton. *Geophysical Research Letters*, **1996**, 23, 1383-1386	4.9	2
112	Reply to "Earthquake prediction evaluation standards applied to the VAN Method," by D. D. Jackson. *Geophysical Research Letters*, **1996**, 23, 1367-1370	4.9	
111	Reply to "Rebuttal to Reply by Varotsos and Lazaridou: Towards plainly successful prediction," by Paul W. Burton. *Geophysical Research Letters*, **1996**, 23, 1389-1390	4.9	3
110	Reply to "Re-Rebuttal to the Reply of Varotsos et al." by F. Mulargia, W. Marzocchi, and P. Gasperini. *Geophysical Research Letters*, **1996**, 23, 1345-1346	4.9	2
109	Reply to "Rebuttal to Replies I and II by Varotsos et al." by F. Mulargia, W. Marzocchi and P. Gasperini. *Geophysical Research Letters*, **1996**, 23, 1341-1342	4.9	1
108	Reply to "Inaccuracies in seismicity and magnitude data used by Varotsos and Co-workers," by M. Wyss. *Geophysical Research Letters*, **1996**, 23, 1303-1306	4.9	1
107	Reply I to "VAN: Candidacy and validation with the latest laws of the game," by F. Mulargia and P. Gasperini and "Precursor candidacy and validation: The VAN Case so far," by F. Mulargia and P. Gasperini. *Geophysical Research Letters*, **1996**, 23, 1331-1334	4.9	1

106	Summary of the five principles suggested by Varotsos et al. [1996] and the additional questions raised in this debate. *Geophysical Research Letters*, **1996**, 23, 1449-1452	4.9	34
105	Reply to "The VAN Method: Contradictory and misleading results since 1981," by G. Stavrakakis and J. Drakopoulos. *Geophysical Research Letters*, **1996**, 23, 1351-1354	4.9	
104	Reply to "Difficulty of statistical evaluation of an earthquake prediction method," by H. Utada. *Geophysical Research Letters*, **1996**, 23, 1395-1398	4.9	1
103	Reply to "A note on evaluating VAN earthquake predictions," by G-Akis Tselentis and Nicos S. Melis. *Geophysical Research Letters*, **1996**, 23, 1415-1416	4.9	
102	Latest aspects of earthquake prediction in Greece based on seismic electric signals, II. *Tectonophysics*, **1993**, 224, 1-37	3.1	235
101	A reply to "Evaluation and interpretation of thirteen official van telegrams for the period September 10th, 1986 to April 28th, 1988" by J. Drakopoulos, G.N. Stavrakakis and J. Latoussakis. *Tectonophysics*, **1993**, 224, 237-250	3.1	6
100	Earthquake predictions issued in Greece by seismic electric signals since February 6, 1990. *Tectonophysics*, **1993**, 224, 269-288	3.1	46
99	Comment on "Evaluating the statistical validity beyond chance of 'VAN' earthquake precursors" by Francesco Mulargia and Paolo Gasperini. *Geophysical Journal International*, **1992**, 111, 44-44	2.6	2
98	Comments on the depolarization currents stimulated by variations of temperature or pressure. *Journal of Physics and Chemistry of Solids*, **1992**, 53, 1007-1011	3.9	14
97	Comment on "Self-diffusion in tungsten". *Physical Review B*, **1991**, 43, 5170-5171	3.3	2
96	Latest aspects of earthquake prediction in Greece based on seismic electric signals. *Tectonophysics*, **1991**, 188, 321-347	3.1	264
95	On recent seismic electrical signal activity in northern Greece. *Tectonophysics*, **1991**, 188, 403-405	3.1	5
94	High-temperature vacancy concentration in Cu. *Physical Review B*, **1989**, 40, 9963-9964	3.3	6
93	Official earthquake prediction procedure in Greece. *Tectonophysics*, **1988**, 152, 193-196	3.1	45
92	Defect parameters obtained from positron-annihilation and self-diffusion experiments in silicon. *Physical Review B*, **1988**, 38, 6328-6329	3.3	8
91	Thermodynamic properties of defects in crystals calculated on the basis of the bulk elastic data. *Physical Review B*, **1988**, 37, 4265-4266	3.3	1
90	Thermodynamic criterion for the analysis of point-defect data in solids. *Physical Review B*, **1988**, 37, 6511-6512	3.3	5
89	Comments on the calculation of the thermodynamic properties of metals at high temperatures. *Physical Review B*, **1988**, 38, 4296-4298	3.3	2

88	Correlation between positron lifetime spectroscopy and self-diffusion parameters in indium. *Journal of Physics F: Metal Physics*, **1988**, 18, 595-599		2
87	Physical properties of the variations in the electric field of the earth preceding earthquakes, III. *Tectonophysics*, **1987**, 136, 335-339	3.1	53
86	On a plausible explanation of the connection of point defect parameters with the melting point. *Journal of Physics and Chemistry of Solids*, **1986**, 47, 79-82	3.9	8
85	Earthquake prediction and electric signals. *Nature*, **1986**, 322, 120-120	50.4	94
84	On the connection of the formation enthalpy of a schottky defect in insulators with the debye temperature. *Radiation Effects*, **1986**, 99, 185-189		1
83	Electrical properties of non-irradiated and X-irradiated LiH and LiD. *Radiation Effects*, **1986**, 99, 115-120		1
82	Comments on the analysis of self-diffusion in Li probed by spin-lattice relaxation of8Li nuclei. *Journal of Physics F: Metal Physics*, **1986**, 16, 791-794		2
81	Activation volumes in lead halides and other solids. *Physical Review B*, **1986**, 33, 2838-2841	3.3	11
80	Point Defect Entropies and Enthalpies in KCl. *Physica Status Solidi (B): Basic Research*, **1985**, 130, K105-K107	1.3	1
79	Interconnection of point defect parameters in BaF2. *Physica Status Solidi A*, **1985**, 88, K137-K140		7
78	Defect entropies and enthalpies in SrF2. *Journal of Physics and Chemistry of Solids*, **1985**, 46, 1109	3.9	0
77	Comments on The Temperature and Pressure Dependence of Disaccommodation in a Manganese Zinc Ferrite Single Crystal *Japanese Journal of Applied Physics*, **1985**, 24, 781-781	1.4	46
76	Point defect parameters of LiF. *Journal of Physics C: Solid State Physics*, **1985**, 18, 3891-3895		60
75	Interconnection of isothermal elastic data with self-diffusion in sodium. *Physical Review B*, **1985**, 31, 8263-8264	3.3	46
74	Interconnection of activation volumes and activation enthalpies in cubic lead fluoride doped with alkali-metal cations. *Physical Review B*, **1985**, 31, 8273-8274	3.3	1
73	Correlation between the self-diffusion coefficient of lithium and the equation of state. *Physical Review B*, **1985**, 32, 5462-5463	3.3	6
72	Migration and activation defect volumes in CdF2. *Physical Review B*, **1985**, 32, 2634-2635	3.3	2
71	Efficiency test of earthquake prediction around Thessaloniki from electrotelluric precursors. *Tectonophysics*, **1985**, 120, 153-161	3.1	11

70	On the Proportionality of the Migration Volume and the Migration Enthalpy in Fluorides. *Physica Status Solidi (B): Basic Research*, **1984**, 125, K109-K112	1.3	3
69	Connection between the formation volume and formation Gibbs energy in noble-gas solids. *Physical Review B*, **1984**, 30, 7305-7306	3.3	77
68	Physical properties of the variations of the electric field of the earth preceding earthquakes, I. *Tectonophysics*, **1984**, 110, 73-98	3.1	391
67	Physical properties of the variations of the electric field of the earth preceding earthquakes. II. determination of epicenter and magnitude. *Tectonophysics*, **1984**, 110, 99-125	3.1	303
66	Thermocurrents in ferroelectric materials. *Physica Status Solidi A*, **1982**, 70, K19-K21		1
65	Current Methods of Lattice Defect Analysis Using Dilatometry and Self-Diffusion Critical Review and Proposals. *Physica Status Solidi (B): Basic Research*, **1982**, 110, 9-31	1.3	54
64	Comments on the Pressure Variation of the Gibbs Energy for Bound and Unbound Defects. *Physica Status Solidi (B): Basic Research*, **1982**, 111, 581-590	1.3	57
63	Determination of the composition of the maximum conductivity or diffusivity in mixed alkali halides. *Journal of Physics and Chemistry of Solids*, **1981**, 42, 405-407	3.9	49
62	Migration parameters for the bound fluorine motion in alkaline earth fluorides□. *Journal of Physics and Chemistry of Solids*, **1981**, 42, 409-410	3.9	51
61	Calculation of diffusion coefficients at any temperature and pressure from a single measurement. II. Heterodiffusion. *Physical Review B*, **1981**, 24, 3606-3609	3.3	43
60	Decisive importance of the bulk modulus and the anharmonicity in the calculation of migration and formation volumes. *Physical Review B*, **1981**, 24, 904-910	3.3	66
59	Ionic thermocurrent in KCl doped with SO-24. *Journal De Physique*, **1981**, 42, 1481-1483		2
58	On the question of the calculation of migration volumes in ionic crystals. *Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties*, **1980**, 42, 13-18		13
57	On the Temperature Variation of the Bulk Modulus of Mixed Alkali Halides. *Physica Status Solidi (B): Basic Research*, **1980**, 99, K93-K96	1.3	57
56	On the Thermal Expansivity of Alkali Halide Mixed Crystals. *Physica Status Solidi (B): Basic Research*, **1980**, 100, K47-K51	1.3	1
55	Determination of the Dielectric Constant of Alkali Halide Mixed Crystals. *Physica Status Solidi (B): Basic Research*, **1980**, 100, K133-K138	1.3	54
54	On the Coefficient of Thermal Expansion Associated to Cd Impurities and Vacancies in AgBr. *Physica Status Solidi (B): Basic Research*, **1980**, 102, K63-K66	1.3	0
53	Determination of the Compressibility of an Alloy from Its Density. *Physica Status Solidi (B): Basic Research*, **1980**, 102, K67-K72	1.3	14

52	ITC measurements on sodium fluoride doped with calcium. *Physica Status Solidi A*, **1980**, 57, 331-335		6
51	On the extraction of the vacancy formation parameters from specific heat data. *Physica Status Solidi A*, **1980**, 58, 639-644		9
50	On the elastic constants of PdD and PdH alloys. *Physica Status Solidi A*, **1980**, 61, K35-K37		1
49	Prediction of the compressibility of mixed alkali halides. *Journal of Physics and Chemistry of Solids*, **1980**, 41, 1291-1294	3.9	57
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