Panagiotis A Varotsos

List of Publications by Citations

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	Physical properties of the variations of the electric field of the earth preceding earthquakes, I. *Tectonophysics*, **1984**, 110, 73-98	3.1	391
230	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
229	Latest aspects of earthquake prediction in Greece based on seismic electric signals. *Tectonophysics*, **1991**, 188, 321-347	3.1	264
228	Long-range correlations in the electric signals that precede rupture. *Physical Review E*, **2002**, 66, 011902	2.4	252
227	Latest aspects of earthquake prediction in Greece based on seismic electric signals, II. *Tectonophysics*, **1993**, 224, 1-37	3.1	235
226	Long-range correlations in the electric signals that precede rupture: further investigations. *Physical Review E*, **2003**, 67, 021109	2.4	157
225	Similarity of fluctuations in correlated systems: the case of seismicity. *Physical Review E*, **2005**, 72, 041103	2.4	142
224	Attempt to distinguish electric signals of a dichotomous nature. *Physical Review E*, **2003**, 68, 031106	2.4	140
223	Calculation of the formation volume of vacancies in solids. *Physical Review B*, **1978**, 18, 2683-2691	3.3	140
222	Calculation of the formation entropy of vacancies due to anharmonic effects. *Physical Review B*, **1977**, 15, 4111-4114	3.3	124
221	Natural Time Analysis: The New View of Time **2011**,		120
220	Comparison of models that interconnect point defect parameters in solids with bulk properties. *Journal of Applied Physics*, **2007**, 101, 123503	2.5	118
219	Entropy of seismic electric signals: analysis in natural time under time reversal. *Physical Review E*, **2006**, 73, 031114	2.4	115
218	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
217	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
216	Some properties of the entropy in the natural time. *Physical Review E*, **2005**, 71, 032102	2.4	105
215	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

214	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
213	Nonextensivity and natural time: The case of seismicity. *Physical Review E*, **2010**, 82, 021110	2.4	98
212	Earthquake prediction and electric signals. *Nature*, **1986**, 322, 120-120	50.4	94
211	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
210	Transmission of stress induced electric signals in dielectric media. *Journal of Applied Physics*, **1998**, 83, 60-70	2.5	91
209	Seismic Electric Signals: An additional fact showing their physical interconnection with seismicity. *Tectonophysics*, **2013**, 589, 116-125	3.1	90
208	Scale-specific order parameter fluctuations of seismicity in natural time before mainshocks. *Europhysics Letters*, **2011**, 96, 59002	1.6	85
207	Entropy in the natural time domain. *Physical Review E*, **2004**, 70, 011106	2.4	84
206	Calculation of diffusion coefficients at any temperature and pressure from a single measurement. I. Self diffusion. *Physical Review B*, **1980**, 22, 3130-3134	3.3	82
205	Detrended fluctuation analysis of the magnetic and electric field variations that precede rupture. *Chaos*, **2009**, 19, 023114	3.3	81
204	Interconnection of defect parameters and stress-induced electric signals in ionic crystals. *Physical Review B*, **1999**, 59, 24-27	3.3	80
203	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
202	Natural entropy fluctuations discriminate similar-looking electric signals emitted from systems of different dynamics. *Physical Review E*, **2005**, 71, 011110	2.4	78
201	Connection between the formation volume and formation Gibbs energy in noble-gas solids. *Physical Review B*, **1984**, 30, 7305-7306	3.3	77
200	Origin of the usefulness of the natural-time representation of complex time series. *Physical Review Letters*, **2005**, 94, 170601	7.4	75
199	Point defect parameters in ╫PbF2 revisited. *Solid State Ionics*, **2008**, 179, 438-441	3.3	74
198	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
197	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

196	Estimation of the migration enthalpy and entropy for cation vacancy motion in alkali halides with the NaCl-type structure. *Physical Review B*, **1977**, 15, 2348-2351	3.3	69
195	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
194	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
193	On the possibility of the enthalpy of a Schottky defect decreasing with increasing temperature. *Journal of Physics C: Solid State Physics*, **1979**, 12, L761-L764		65
192	Calculation of point defect parameters in diamond. *Physical Review B*, **2007**, 75,	3.3	62
191	Comments on the formation entropy of a Frenkel defect inBaF2andCaF2. *Physical Review B*, **1976**, 13, 938-938	3.3	62
190	Point defect parameters of LiF. *Journal of Physics C: Solid State Physics*, **1985**, 18, 3891-3895		60
189	Order parameter fluctuations of seismicity in natural time before and after mainshocks. *Europhysics Letters*, **2010**, 91, 59001	1.6	58
188	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
187	Prediction of the compressibility of mixed alkali halides. *Journal of Physics and Chemistry of Solids*, **1980**, 41, 1291-1294	3.9	57
186	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
185	The curvature in conductivity plots of alkali halides as a consequence of anharmonicity. *Journal of Physics and Chemistry of Solids*, **1977**, 38, 997-1001	3.9	57
184	New aspects on the dielectric properties of the alkali halides with divalent impurities. *Journal of Physics and Chemistry of Solids*, **1974**, 35, 927-930	3.9	57
183	Determination of the Dielectric Constant of Alkali Halide Mixed Crystals. *Physica Status Solidi (B): Basic Research*, **1980**, 100, K133-K138	1.3	54
182	Migration entropy for the bound fluorine motion in alkaline earth fluorides. *Journal of Physics and Chemistry of Solids*, **1980**, 41, 443-446	3.9	54
181	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
180	The Conductivity of Crystalline NaI. *Canadian Journal of Physics*, **1975**, 53, 1318-1320	1.1	54
179	The curvature in conductivity plots of silver halides as a consequence of anharmonicity. *Journal of Physics and Chemistry of Solids*, **1978**, 39, 759-761	3.9	54

178	Physical properties of the variations in the electric field of the earth preceding earthquakes, III. *Tectonophysics*, **1987**, 136, 335-339	3.1	53
177	Negative activation volumes of defects in solids. *Physical Review B*, **1980**, 21, 4898-4899	3.3	53
176	An estimate of the pressure dependence of the dielectric constant in alkali halides. *Physica Status Solidi (B): Basic Research*, **1978**, 90, 339-343	1.3	53
175	Calculation of the migration volume of vacancies in ionic solids from macroscopic parameters. *Physica Status Solidi A*, **1978**, 47, K133-K136		53
174	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
173	Numerical model of the selectivity effect and the V/L criterion. *Geophysical Research Letters*, **1999**, 26, 3245-3248	4.9	49
172	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
171	Difference in conductivity between LiD and LiH crystals. *Physical Review B*, **1974**, 10, 5220-5224	3.3	48
170	Earthquake predictions issued in Greece by seismic electric signals since February 6, 1990. *Tectonophysics*, **1993**, 224, 269-288	3.1	46
169	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
168	Official earthquake prediction procedure in Greece. *Tectonophysics*, **1988**, 152, 193-196	3.1	45
167	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
166	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
165	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
164	Multiplicative cascades and seismicity in natural time. *Physical Review E*, **2009**, 80, 022102	2.4	37
163	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
162	Similarity of fluctuations in systems exhibiting Self-Organized Criticality. *Europhysics Letters*, **2011**, 96, 28006	1.6	33
161	Scale-specific order parameter fluctuations of seismicity before mainshocks: Natural time and Detrended Fluctuation Analysis. *Europhysics Letters*, **2012**, 99, 59001	1.6	33

160	Natural-time analysis of critical phenomena: The case of seismicity. *Europhysics Letters*, **2010**, 92, 29002	1.6	31
159	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
158	Heart rate variability in natural time and 1/f noise. *Europhysics Letters*, **2009**, 87, 18003	1.6	27
157	Flux avalanches in YBa2Cu3O7 films and rice piles: Natural time domain analysis. *Physical Review B*, **2006**, 73,	3.3	27
156	Defect volumes and the equation of state in PbF2. *Physical Review B*, **2007**, 76,	3.3	27
155	Magnetic field near the outcrop of an almost horizontal conductive sheet. *Journal of Geodynamics*, **2002**, 33, 463-476	2.2	27
154	Basic principles for evaluating an earthquake prediction method. *Geophysical Research Letters*, **1996**, 23, 1295-1298	4.9	27
153	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
152	Phenomena preceding major earthquakes interconnected through a physical model. *Annales Geophysicae*, **2019**, 37, 315-324	2	24
151	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
150	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
149	Identifying the occurrence time of an impending major earthquake: a review. *Earthquake Science*, **2017**, 30, 209-218	1.5	22
148	The Complexity Measures Associated with the Fluctuations of the Entropy in Natural Time before the Deadly Mexico M8.2 Earthquake on 7 September 2017. *Entropy*, **2018**, 20,	2.8	22
147	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
146	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
145	Additional evidence on some relationship between Seismic Electric Signals (SES) and earthquake focal mechanism. *Tectonophysics*, **2006**, 412, 279-288	3.1	19
144	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
143	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

142	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
141	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
140	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
139	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
138	Remarkable changes in the distribution of the order parameter of seismicity before mainshocks. *Europhysics Letters*, **2012**, 100, 39002	1.6	14
137	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
136	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
135	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
134	Determination of the Compressibility of an Alloy from Its Density. *Physica Status Solidi (B): Basic Research*, **1980**, 102, K67-K72	1.3	14
133	On a new analysis of the diffusion experiments under pressure. *Journal of Physics C: Solid State Physics*, **1978**, 11, L305-L309		14
132	Introduction to Seismic Electric Signals **2011**, 3-115		14
131	Effects of Near Wall Modeling in the Improved-Delayed-Detached-Eddy-Simulation (IDDES) Methodology. *Entropy*, **2018**, 20,	2.8	14
130	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
129	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
128	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
127	Electric pulses some minutes before earthquake occurrences. *Applied Physics Letters*, **2007**, 90, 064104	3.4	12
126	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
125	Prediction of the 6.6 Grevena-Kozani earthquake of May 13, 1995. *Physics and Chemistry of the Earth*, **1999**, 24, 115-121		12

124	On a new analysis of the diffusion data in sodium under pressure. *Journal of Physics C: Solid State Physics*, **1978**, 11, L311-L315		12
123	Conductivity and dielectric constants of LiD. *Physical Review B*, **1974**, 9, 1866-1869	3.3	12
122	Identifying the occurrence time of an impending mainshock: a very recent case. *Earthquake Science*, **2015**, 28, 215-222	1.5	11
121	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
120	Magnetic field variations associated with SES. *Proceedings of the Japan Academy Series B: Physical and Biological Sciences*, **2001**, 77, 87-92	4	11
119	Activation volumes in lead halides and other solids. *Physical Review B*, **1986**, 33, 2838-2841	3.3	11
118	Efficiency test of earthquake prediction around Thessaloniki from electrotelluric precursors. *Tectonophysics*, **1985**, 120, 153-161	3.1	11
117	On the extraction of the vacancy formation parameters from specific heat data. *Physica Status Solidi A*, **1980**, 58, 639-644		9
116	Study of the conductivity and the reorientation mechanism in the cesium halides doped with Cd++ and Pb++. *Physica Status Solidi A*, **1974**, 26, 311-315		9
115	The dielectric loss of X-irradiated LiD + Mg+2. *Journal De Physique*, **1980**, 41, 377-379		9
114	Identifying the Occurrence Time of the Deadly Mexico M8.2 Earthquake on 7 September 2017. *Entropy*, **2019**, 21,	2.8	8
113	Recent Seismic Electric Signals (SES) activities in Greece. *Acta Geophysica*, **2006**, 54, 158-164	2.2	8
112	Time-difference between the electric field components of signals prior to major earthquakes. *Applied Physics Letters*, **2005**, 86, 194101	3.4	8
111	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
110	Defect parameters obtained from positron-annihilation and self-diffusion experiments in silicon. *Physical Review B*, **1988**, 38, 6328-6329	3.3	8
109	Seismic electric signals in seismic prone areas. *Earthquake Science*, **2018**, 31, 44-51	1.5	8
108	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
107	M W9 Tohoku earthquake in 2011 in Japan: precursors uncovered by natural time analysis. *Earthquake Science*, **2017**, 30, 183-191	1.5	7

106	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
105	Interconnection of point defect parameters in BaF2. *Physica Status Solidi A*, **1985**, 88, K137-K140		7
104	Comments on the diffusion of a gas in a linear elastic solid. *Acta Mechanica*, **1980**, 36, 129-133	2.1	7
103	On the formation and activation volume of a vacancy in tetragonal metals. *Journal of Physics F: Metal Physics*, **1980**, 10, 571-574		7
102	Comment on a correlation between the migration enthalpy of a cation vacancy in alkali halides with NaCl structure and their melting points. *Physical Review B*, **1977**, 15, 5994-5995	3.3	7
101	On the analysis of the defect-experimental data in metals. *Journal of Physics F: Metal Physics*, **1978**, 8, 1373-1378		7
100	Dielectric loss of LiD doped with Mg2+. *Physica Status Solidi A*, **1974**, 25, 457-461		7
99	On the Motivation and Foundation of Natural Time Analysis: Useful Remarks. *Acta Geophysica*, **2016**, 64, 841-852	2.2	7
98	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
97	Self-diffusion in sodium under pressure revisited. *Journal of Physics Condensed Matter*, **2007**, 19, 176231	1.8	6
96	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
95	High-temperature vacancy concentration in Cu. *Physical Review B*, **1989**, 40, 9963-9964	3.3	6
94	Interconnection of isothermal elastic data with self-diffusion in sodium. *Physical Review B*, **1985**, 31, 8263-8264	3.3	6
93	Correlation between the self-diffusion coefficient of lithium and the equation of state. *Physical Review B*, **1985**, 32, 5462-5463	3.3	6
92	Comments on the migration volume of vacancies in solids. *Physica Status Solidi A*, **1979**, 55, K63-K66		6
91	ITC measurements on sodium fluoride doped with calcium. *Physica Status Solidi A*, **1980**, 57, 331-335		6
90	Temperature dependence of the thermal-expansion coefficient of vacancies. *Physical Review B*, **1980**, 21, 3379-3382	3.3	6
89	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

88	Identifying long-range correlated signals upon significant periodic data loss. *Tectonophysics*, **2011**, 503, 189-194	3.1	5
87	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
86	On recent seismic electrical signal activity in northern Greece. *Tectonophysics*, **1991**, 188, 403-405	3.1	5
85	Thermodynamic criterion for the analysis of point-defect data in solids. *Physical Review B*, **1988**, 37, 6511-6512	3.3	5
84	Influence of anharmonicity on some transport properties of AgBr. *Journal De Physique*, **1978**, 39, 1247-1249		5
83	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
82	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
81	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
80	Measurement of ionic thermocurrents in sodium iodide. *Journal of Physics C: Solid State Physics*, **1980**, 13, 3003-3009		4
79	On the energy of formation of defects. *Solid State Communications*, **1978**, 27, 401-404	1.6	4
78	Numerical model of the selectivity effect and the V/L criterion. *Geophysical Research Letters*, **1999**, 26, 3245-3248	4.9	4
77	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
76	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
75	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
74	Comments on the dielectric relaxation in doubly doped CaF2. *Physical Review B*, **1980**, 21, 874-875	3.3	3
73	Calculation of the migration barriers in cesium halides. *Physical Review B*, **1975**, 12, 4403-4404	3.3	3
72	The formation volume of Frenkel defect in silver halides. *Journal of Physics and Chemistry of Solids*, **1978**, 39, 513-514	3.9	3
71	On the correlation of the formation enthalpy for a Schottky defect in alkali halides and the melting point. *Solid State Communications*, **1978**, 25, 583-585	1.6	3

70	On the curvature of Arrhenius plots of diffusion and its disappearance under pressure with a single-vacancy model. *Journal of Physics F: Metal Physics*, **1978**, 8, 2227-2232		3
69	Activation volume for self-diffusion and for the diffusion of impurities in lead. *Journal of Applied Physics*, **1979**, 50, 5764-5767	2.5	3
68	Application of the Thomas-Fermi Statistical Model to the Crystals KCl:Sm2+, Yb2+, and Eu2+. *Physica Status Solidi (B): Basic Research*, **1974**, 66, K15-K17	1.3	3
67	Magnetovariational and Magnetotelluric study of loannina region sensitive to Seismic Electric Signals (SES). I. *Journal of Atmospheric Electricity*, **2002**, 22, 113-137	0.1	3
66	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
65	Order Parameter and Entropy of Seismicity in Natural Time before Major Earthquakes: Recent Results. *Geosciences (Switzerland)*, **2022**, 12, 225	2.7	3
64	Reply to Dicing with earthquakes, by Paul W. Burton. *Geophysical Research Letters*, **1996**, 23, 1383-1386	4.9	2
63	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
62	Comment on "Self-diffusion in tungsten". *Physical Review B*, **1991**, 43, 5170-5171	3.3	2
61	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
60	Comments on the analysis of self-diffusion in Li probed by spin-lattice relaxation of 8Li nuclei. *Journal of Physics F: Metal Physics*, **1986**, 16, 791-794		2
59	Comments on the calculation of the thermodynamic properties of metals at high temperatures. *Physical Review B*, **1988**, 38, 4296-4298	3.3	2
58	Correlation between positron lifetime spectroscopy and self-diffusion parameters in indium. *Journal of Physics F: Metal Physics*, **1988**, 18, 595-599		2
57	Migration and activation defect volumes in CdF2. *Physical Review B*, **1985**, 32, 2634-2635	3.3	2
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55	On the temperature and pressure variation of the static dielectric constant in alkaline earth fluorides. *Journal of Applied Physics*, **1980**, 51, 4553-4554	2.5	2
54	Activation energies for reorientation of complexes in cesium halides doped with Cd2+ and Pb2+. *Physica Status Solidi A*, **1975**, 28, K65-K67		2
53	Dielectric Properties of CsI Doped with Ca2+ or Sr2+. *Physica Status Solidi A*, **1975**, 32, 617-620		2

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51	Natural Time Analysis of Electrocardiograms **2011**, 381-435		2
50	Ionic thermocurrent in KCl doped with SO-24. *Journal De Physique*, **1981**, 42, 1481-1483		2
49	Natural Time Analysis: Results Related to Two Earthquakes in Greece during 2019. *Proceedings (mdpi)*, **2019**, 24, 20	0.3	2
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47	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
46	A review on the statistical significance of VAN predictions. *Physics and Chemistry of the Earth*, **1999**, 24, 111-114		1
45	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
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