Aleksander Zidansek

List of Publications by Year
in descending order

57	1,234	304701 22	377849 34
papers	citations	h-index	g-index

58	58	58	1199
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Organic Crystals for THz Photonics. Applied Sciences (Switzerland), 2019, 9, 882.	2.5	129
2	Terahertz spectroscopic identification of explosive and drug simulants concealed by various hiding techniques. Applied Optics, 2015, 54, 4495.	1.8	85
3	Sustainable development and happiness in nations. Energy, 2007, 32, 891-897.	8.8	73
4	Climate changes, biofuels and the sustainable future. International Journal of Hydrogen Energy, 2009, 34, 6980-6983.	7.1	59
5	Different modulated structures of topological defects stabilized by adaptive targeting nanoparticles. Soft Matter, 2013, 9, 3956.	2.7	59
6	Nematic ordering in porous glasses: A deuterium NMR study. Physical Review E, 1996, 53, 3629-3638.	2.1	50
7	Deuterium NMR of a pentylcyanobiphenyl liquid crystal confined in a silica aerogel matrix. Physical Review E, 1993, 48, 340-349.	2.1	45
8	Dependence of radon levels in Postojna Cave on outside air temperature. Natural Hazards and Earth System Sciences, 2011, 11, 1523-1528.	3.6	45
9	Deuteron NMR study of liquid crystals confined in aerogel matrices. Physical Review E, 1995, 51, 3332-3340.	2.1	42
10	Applications of Terahertz Spectroscopy in the Field of Construction and Building Materials. Applied Spectroscopy Reviews, 2015, 50, 279-303.	6.7	41
11	The effect of graphene on liquid-crystalline blue phases. Applied Physics Letters, 2013, 103, .	3.3	38
12	Phase behavior of liquid crystals confined to controlled porous glass studied by deuteron NMR. Physical Review E, 1998, 57, 3021-3032.	2.1	36
13	14N nuclear quadrupole resonance of some sulfa drugs. Solid State Nuclear Magnetic Resonance, 2006, 30, 61-68.	2.3	34
14	Structural analysis of insulating polymer foams with terahertz spectroscopy and imaging. Polymer Testing, 2013, 32, 739-747.	4.8	34
15	Presmectic wetting and supercritical-like phase behavior of octylcyanobiphenyl liquid crystal confined to controlled-pore glass matrices. Journal of Chemical Physics, 2007, 127, 154905.	3.0	31
16	Sustainable development and global security. Energy, 2007, 32, 883-890.	8.8	31
17	Finger-like lysing patterns of blood clots. Biophysical Journal, 1995, 69, 803-809.	0.5	30
18	Anisotropy of the Critical Magnetic Field in a Ferroelectric Liquid Crystal. Physical Review Letters, 1998, 80, 4458-4461.	7.8	28

#	Article	IF	Citations
19	Structural characterization of thermal building insulation materials using terahertz spectroscopy and terahertz pulsed imaging. NDT and E International, 2016, 77, 11-18.	3.7	28
20	Proton NMR relaxation of adsorbed water in gelatin and collagen. Applied Magnetic Resonance, 1995, 9, 193-216.	1.2	26
21	Solar orbital power: Sustainability analysis. Energy, 2011, 36, 1986-1995.	8.8	26
22	Dimensional crossover and scaling behavior of a smectic liquid crystal confined to controlled-pore glass matrices. Soft Matter, 2012, 8, 2460.	2.7	24
23	Effects of Kosovoâ€™s energy use scenarios and associated gas emissions on its climate change and sustainable development. Applied Energy, 2011, 88, 473-478.	10.1	20
24	14N nuclear quadrupole resonance of picolinic, nicotinic, isonicotinic and dinicotinic acids. Chemical Physics, 2006, 331, 131-136.	1.9	19
25	Spectroscopic Analysis of Melatonin in the Terahertz Frequency Range. Sensors, 2018, 18, 4098.	3.8	19
26	Challenges and opportunities of terahertz technology in construction and demolition waste management. Journal of Environmental Management, 2022, 315, 115118.	7.8	18
27	Influence of surface treatment on the smectic ordering within porous glass. Physical Review E, 2000, 62, 718-725.	2.1	16
28	Influence of confinement in controlled-pore glass on the layer spacing of smectic-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>A</mml:mi></mml:math>liquid crystals. Physical Review E, 2009, 79, 051703.	2.1	16
29	Phase transitions in 8CB liquid crystal confined to a controlled-pore glass: Deuteron NMR and small angle X-ray scattering studies. Applied Magnetic Resonance, 2004, 27, 311-319.	1.2	15
30	NMR self-diffusion study of organic glasses: COANP, MBANP, PNP, NPP. European Physical Journal B, 1994, 95, 243-247.	1.5	14
31	Qualitative and quantitative analysis of calcium-based microfillers using terahertz spectroscopy and imaging. Talanta, 2015, 143, 169-177.	5.5	12
32	How to achieve a sustainable future for Europe?. Thermal Science, 2008, 12, 19-25.	1.1	10
33	Decision Support Concept for Improvement of Sustainability-Related Competences. Sustainability, 2022, 14, 8539.	3.2	9
34	Sustainable development after Johannesburg and Iraq: The global situation and the cases of Slovenia and Croatia. Energy, 2006, 31, 2259-2268.	8.8	8
35	Greenhouse gas and air pollution emissions and options for reducing from the Kosovo transportation sectorâ€dynamic modelling. Management of Environmental Quality, 2011, 22, 72-88.	4.3	8
36	NM R Determination of the Fractal Geometry of Gels Around the Collapse Transition. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1989, 44, 163-164.	1.5	7

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37	Smectic ordering of octylcyanobiphenyl confined to control porous glasses. Journal of Physics Condensed Matter, 2000, 12, A431-A436.	1.8	7
38	Tailoring electrical conductivity of two dimensional nanomaterials using plasma for edge electronics: A mini review. Frontiers of Chemical Science and Engineering, 2019, 13, 427-443.	4.4	7
39	Lysing patterns of blood clots: a nuclear magnetic resonance imaging study in vitro and mathematical modelling of the lysing pattern kinetics. Journal of Molecular Structure, 1993, 294, 283-285.	3.6	5
40	Paranematic-Nematic Phase Transition of a Liquid Crystal Confined to a Controlled Porous Glass. Molecular Crystals and Liquid Crystals, 1997, 299, 307-320.	0.3	5
41	Investigation of pharmaceutical drugs and caffeine-containing foods using Fourier and terahertz time-domain spectroscopy. Proceedings of SPIE, 2015, , .	0.8	5
42	Dynamic Modeling of Kosovo's Electricity Supply-Demand, Gaseous Emissions and Air Pollution. Journal of Sustainable Development of Energy, Water and Environment Systems, 2015, 3, 303-314.	1.9	5
43	Smectic Ordering of 8CB Liquid Crystal Confined to a Controlled-Pore Glass. Molecular Crystals and Liquid Crystals, 2005, 439, 33/[1899]-42/[1908].	0.9	4
44	17O and23Na nuclear quadrupole double resonance of sodium formate and sodium acetate. Applied Magnetic Resonance, 2004, 26, 427-430.	1.2	3
45	Contemporary Crises and Sustainability Indicators. Journal of Sustainable Development of Energy, Water and Environment Systems, 2014, 2, 100-107.	1.9	2
46	Dielectric, NMR and X-ray diffraction study of pseudo-one-dimensional Cs1âˆ'x(NH4)xH2PO4. Ferroelectrics, 1999, 226, 159-167.	0.6	1
47	Interlayer exchange effects in the deuteron nmr of ferroelectric and antiferroelectric liquid crystals. Ferroelectrics, 2000, 245, 1-5.	0.6	1
48	Visualization of Nematic Director Field With the RGB Color System. Molecular Crystals and Liquid Crystals, 2012, 553, 50-57.	0.9	1
49	Random nematic structures in the absence of inherent frustrations. Liquid Crystals, 2015, 42, 1674-1683.	2.2	1
50	Fuel Conservation for Launch Vehicles: Falcon Heavy Case Study. Energies, 2020, 13, 660.	3.1	1
51	NMR Spin lattice relaxation study of Cs1âˆ'x(NH4)XH2PO4. Ferroelectrics, 1997, 202, 167-171.	0.6	0
52	Deuteron NMR study of an 8CB liquid crystal confined to porous glass. , 1998, 3318, 253.		0
53	Modelling rapid climate changes and analysing their impacts. Management of Environmental Quality, 2008, 19, 422-432.	4.3	0
54	Model analyses of long and short term pollution emission reduction. International Journal of Environment and Sustainable Development, 2012, 11, 293.	0.3	0

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55	Phase behaviour of n-CB liquid crystals confined to controlled pore glasses. Journal of Molecular Structure, 2021, 1235, 130217.	3.6	0
56	Self organized critical dynamics of the sustainable development. Thermal Science, 2008, 12, 113-120.	1.1	0
57	Competence Model for Factories of the Future. , 0, , .		0