Eugen Anitas

List of Publications by Year
in descending order

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73	901	489802	591227
papers	citations	18	27
		h-index	g-index

75	75	75	641
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electrical devices based on hybrid membranes with mechanically and magnetically controllable, resistive, capacitive and piezoelectric properties. Smart Materials and Structures, 2022, 31, 045001.	1.8	7
2	Fractal Analysis of DNA Sequences Using Frequency Chaos Game Representation and Small-Angle Scattering. International Journal of Molecular Sciences, 2022, 23, 1847.	1.8	7
3	Magneto-dielectric and viscoelastic characteristics of iron oxide microfiber-based magnetoreological suspension. Journal of Industrial and Engineering Chemistry, 2022, 112, 58-66.	2.9	5
4	Small-Angle Scattering from Fractional Brownian Surfaces. Symmetry, 2021, 13, 2042.	1.1	1
5	Magneto-active fabrics based on glucose and carbonyl iron: Effects of glucose crystallization kinetics and magnetic field on the electrical conductivity. Journal of Magnetism and Magnetic Materials, 2020, 495, 165883.	1.0	2
6	Structural characterization of Janus nanoparticles with tunable geometric and chemical asymmetries by small-angle scattering. Physical Chemistry Chemical Physics, 2020, 22, 536-548.	1.3	5
7	Electrical and Magnetodielectric Properties of Magneto-Active Fabrics for Electromagnetic Shielding and Health Monitoring. International Journal of Molecular Sciences, 2020, 21, 4785.	1.8	8
8	Small-Angle Scattering and Multifractal Analysis of DNA Sequences. International Journal of Molecular Sciences, 2020, 21, 4651.	1.8	8
9	Hybrid Magnetorheological Composites for Electric and Magnetic Field Sensors and Transducers. Nanomaterials, 2020, 10, 2060.	1.9	13
10	Graphene Platelets-Based Magnetoactive Materials with Tunable Magnetoelectric and Magnetodielectric Properties. Nanomaterials, 2020, 10, 1783.	1.9	6
11	Structural Properties of Molecular SierpiÅ„ski Triangle Fractals. Nanomaterials, 2020, 10, 925.	1.9	3
12	Light transmission, magnetodielectric and magnetoresistive effects in membranes based on hybrid magnetorheological suspensions in a static magnetic field superimposed on a low/medium frequency electric field. Journal of Magnetism and Magnetic Materials, 2020, 511, 166975.	1.0	9
13	Structural Properties of Janus Particles with Nano- and Mesoscale Anisotropy. Nanomaterials, 2020, 10, 989.	1.9	1
14	Small-Angle Scattering from Fractals: Differentiating between Various Types of Structures. Symmetry, 2020, 12, 65.	1.1	16
15	Microwave-assisted synthesis and characterization of iron oxide microfibers. Journal of Materials Chemistry C, 2020, 8, 6159-6167.	2.7	13
16	Magneto-optical transmittance observed in magnetorheological suspensions films. AIP Conference Proceedings, 2020, , .	0.3	0
17	Small-Angle Scattering (Neutrons, X-Rays, Light) from Complex Systems. SpringerBriefs in Physics, 2019, , .	0.2	7
18	Small-Angle Scattering from Fractals. SpringerBriefs in Physics, 2019, , 65-111.	0.2	0

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19	Structural Properties of Vicsek-like Deterministic Multifractals. Symmetry, 2019, 11, 806.	1.1	6
20	Magnetostrictive and viscoelastic characteristics of polyurethane-based magnetorheological elastomer. Journal of Industrial and Engineering Chemistry, 2019, 73, 128-133.	2.9	24
21	The structure of deterministic mass and surface fractals: theory and methods of analyzing small-angle scattering data. Physical Chemistry Chemical Physics, 2019, 21, 12748-12762.	1.3	19
22	Small-Angle Scattering from Weakly Correlated Nanoscale Mass Fractal Aggregates. Nanomaterials, 2019, 9, 648.	1.9	11
23	Magnetodielectric effects in hybrid magnetorheological suspensions based on beekeeping products. Journal of Industrial and Engineering Chemistry, 2019, 77, 385-392.	2.9	11
24	Magnetodielectric Effects in Magnetorheological Elastomers Based on Polymer Fabric, Silicone Rubber, and Magnetorheological Suspension. Advances in Polymer Technology, 2019, 2019, 1-5.	0.8	11
25	Small-angle scattering from Apollonian packings using Monte Carlo simulations. Journal of Physics: Conference Series, 2019, 1391, 012011.	0.3	0
26	Magnetic flux density effect on electrical properties and visco-elastic state of magnetoactive tissues. Composites Part B: Engineering, 2019, 159, 13-19.	5.9	19
27	Fractals: Definitions and Generation Methods. SpringerBriefs in Physics, 2019, , 9-31.	0.2	0
28	Small-Angle Scattering Technique. SpringerBriefs in Physics, 2019, , 33-63.	0.2	0
29	Magnetic field intensity effect on electrical conductivity of magnetorheological biosuspensions based on honey, turmeric and carbonyl iron. Journal of Industrial and Engineering Chemistry, 2018, 64, 276-283.	2.9	25
30	Small-Angle Scattering from Mass and Surface Fractals. , 2018, , .		8
31	A deterministic multifractal model for complex structures. Journal of Physics: Conference Series, 2018, 1141, 012005.	0.3	0
32	Magnetic field intensity and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:mi>Î³</mml:mi><mml:mo>-</mml:mo><mml:msub><mml:mrow><mml:mi mathvariant="italic">Fe</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mrow><mml:mi mathvariant="italic">O</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> concentration effects on the dielectric properties of magnetodielectric tissues. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2018, 236-237, 125-131.	1.7	14
33	Emergence of Surface Fractals in Cellular Automata. Annalen Der Physik, 2018, 530, 1800187.	0.9	5
34	Electrical Conductivity and Optical Properties of Pulsed Laser Deposited LaNi5 Nanoscale Films. Materials, 2018, 11, 1475.	1.3	2
35	Structural Properties of Additive Nano/Microcellular Automata. Annalen Der Physik, 2018, 530, 1800004.	0.9	3
36	Hybrid magnetorheological suspension: effects of magnetic field on the relative dielectric permittivity and viscosity. Colloid and Polymer Science, 2018, 296, 1373-1378.	1.0	6

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37	Effect of magnetic field intensity and Î³-Fe₂O₃ nanoparticle additive on electrical conductivity and viscosity of magnetorheological carbonyl iron suspension-based membranes. Smart Materials and Structures, 2018, 27, 095021.	1.8	13
38	Studies of Electroconductive Magnetorheological Elastomers. , 2018, , .		1
39	Magnetodielectric effects in membranes based on magnetorheologicalÂbio-suspensions. Materials and Design, 2018, 155, 317-324.	3.3	26
40	Small-angle scattering from the Cantor surface fractal on the plane and the Koch snowflake. Physical Chemistry Chemical Physics, 2017, 19, 2261-2268.	1.3	32
41	Magnetic field intensity and graphene concentration effects on electrical and rheological properties of MREs-based membranes. Smart Materials and Structures, 2017, 26, 105038.	1.8	14
42	Magnetic field intensity effect on plane capacitors based on hybrid magnetorheological elastomers with graphene nanoparticles. Journal of Industrial and Engineering Chemistry, 2017, 56, 407-412.	2.9	38
43	Scattering from surface fractals in terms of composing mass fractals. Journal of Applied Crystallography, 2017, 50, 919-931.	1.9	39
44	Dynamic Determination of Some Optical and Electrical Properties of Galena Natural Mineral: Potassium Ethyl Xanthate Solution Interface. Russian Journal of Physical Chemistry A, 2017, 91, 2613-2620.	0.1	2
45	Simulation of small-angle scattering patterns using a CPU-efficient algorithm. Journal of Physics: Conference Series, 2017, 936, 012030.	0.3	0
46	Structural characterization of chaos game fractals using small-angle scattering analysis. PLoS ONE, 2017, 12, e0181385.	1.1	12
47	Small-Angle Scattering from Nanoscale Fat Fractals. Nanoscale Research Letters, 2017, 12, 389.	3.1	18
48	Generation of Iron Nano-microparticles for Bio-medical Applications Using Plasma Processes. Revista De Chimie (discontinued), 2017, 68, 1205-1210.	0.2	0
49	Optical luminescence studies of diffusion times at the potassium ethyl xanthate adsorption layer on the surface of sphalerite minerals. IOP Conference Series: Materials Science and Engineering, 2016, 144, 012012.	0.3	0
50	Convex and concave successions of power-law decays in small-angle scattering. Journal of Physics: Conference Series, 2016, 738, 012022.	0.3	0
51	The study of the structural properties of very low viscosity sodium alginate by small-angle neutron scattering. AIP Conference Proceedings, 2016, , .	0.3	2
52	Structural investigations of fat fractals using small-angle scattering. Journal of Physics: Conference Series, 2015, 574, 012093.	0.3	1
53	Fractal fragmentation and small-angle scattering. Journal of Physics: Conference Series, 2015, 633, 012119.	0.3	0
54	Microscale Fragmentation and Small-Angle Scattering from Mass Fractals. Advances in Condensed Matter Physics, 2015, 2015, 1-5.	0.4	7

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55	Influence of magnetic field on dispersion and dissipation of electric field of low and medium frequencies in hybrid magnetorheological suspensions. Journal of Industrial and Engineering Chemistry, 2015, 27, 334-340.	2.9	20
56	Tensions and deformations in composites based on polyurethane elastomer and magnetorheological suspension: Effects of the magnetic field. Journal of Industrial and Engineering Chemistry, 2015, 28, 86-90.	2.9	40
57	Magnetodielectric effects in composite materials based on paraffin, carbonyl iron and graphene. Journal of Industrial and Engineering Chemistry, 2015, 21, 1323-1327.	2.9	34
58	Magnetodielectric effects in hybrid magnetorheological suspensions. Journal of Industrial and Engineering Chemistry, 2015, 22, 53-62.	2.9	28
59	Small-angle scattering from multiphase fractals. Journal of Applied Crystallography, 2014, 47, 198-206.	1.9	34
60	Hybrid magnetorheological elastomer: Influence of magnetic field and compression pressure on its electrical conductivity. Journal of Industrial and Engineering Chemistry, 2014, 20, 3994-3999.	2.9	101
61	Microstructural, magnetic and transport properties of manganites. Journal of Alloys and Compounds, 2014, 592, 121-126.	2.8	8
62	Small-angle scattering from fat fractals. European Physical Journal B, 2014, 87, 1.	0.6	26
63	Small-angle scattering from three-phase systems: Investigation of the crossover between mass fractal regimes. Journal of Physics: Conference Series, 2014, 490, 012028.	0.3	1
64	Small-angle scattering from generalized self-similar Vicsek fractals. Journal of Physics: Conference Series, 2012, 351, 012020.	0.3	3
65	A model of small-angle scattering from three-phase fractal systems. Journal of Physics: Conference Series, 2012, 393, 012031.	0.3	3
66	Prospects for investigating deterministic fractals: Extracting additional information from small angle scattering data. Journal of Physics: Conference Series, 2012, 393, 012032.	0.3	1
67	Deterministic fractals: Extracting additional information from small-angle scattering data. Physical Review E, 2011, 84, 036203.	0.8	54
68	Small-angle scattering from the deterministic fractal systems1. Journal of Surface Investigation, 2010, 4, 903-907.	0.1	16
69	Microstructure of stomaflex based magnetic elastomers. Physics of the Solid State, 2010, 52, 917-921.	0.2	23
70	Scattering from generalized Cantor fractals. Journal of Applied Crystallography, 2010, 43, 790-797.	1.9	27
71	Magnetic Structure of La_{0.54}Ho_{0.11}Sr_{0.35}Mn_{1-X}Cu<sub> Manganites. Solid State Phenomena, 0, 190, 121-124.		
72	Small-Angle Scattering Analysis of Fractals Generated by Additive Cellular Automata. , 0, , .		0

#	Article	IF	Citations
73	Structural Analysis of Deterministic Mass Fractals Using Small- Angle Scattering and Lacunarity Techniques. , 0, , .		0