

Ivan Shorstkii

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

362
citations

840119

11
h-index

839053

18
g-index

40
all docs

40
docs citations

40
times ranked

237
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of Pulsed Electric Field for Oil Extraction from Sunflower Seeds: Electrical Parameter Effects on Oil Yield. <i>Journal of Food Process Engineering</i> , 2017, 40, e12281.	1.5	46
2	Revisiting Non-Thermal Food Processing and Preservation Methods—Action Mechanisms, Pros and Cons: A Technological Update (2016–2021). <i>Foods</i> , 2021, 10, 1430.	1.9	45
3	Bio-refinery of insects with Pulsed electric field pre-treatment. <i>Innovative Food Science and Emerging Technologies</i> , 2020, 64, 102403.	2.7	35
4	Optimization of pulsed electric field assisted drying process of black soldier fly (<i>Hermetia</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622	1.7	25
5	Pulsed electric field assisted sunflower oil pilot production: Impact on oil yield, extraction kinetics and chemical parameters. <i>Innovative Food Science and Emerging Technologies</i> , 2020, 60, 102309.	2.7	25
6	The effect of different methods of mango drying assisted by a pulsed electric field on chemical and physical properties. <i>Journal of Food Processing and Preservation</i> , 2020, 44, e14973.	0.9	21
7	Potentials of 3D extrusion-based printing in resolving food processing challenges: A perspective review. <i>Journal of Food Process Engineering</i> , 2022, 45, .	1.5	19
8	Characteristic changes in malt, wort, and beer produced from different Nigerian rice varieties as influenced by varying malting conditions. <i>PeerJ</i> , 2021, 9, e10968.	0.9	15
9	Synthesis of magnetically controlled Fe ₃ O ₄ composites and their enhanced microwave absorption properties. <i>Materials Research Express</i> , 2019, 6, 046104.	0.8	13
10	Application of cold filamentary microplasma pretreatment assisted by thermionic emission for potato drying. <i>Innovative Food Science and Emerging Technologies</i> , 2020, 66, 102540.	2.7	13
11	Changes in anti-nutrient, phytochemical, and micronutrient contents of different processed rubber (<i>Hevea brasiliensis</i>) seed meals. <i>PeerJ</i> , 2021, 9, e11327.	0.9	11
12	Correlation of the cell disintegration index with Luikov's heat and mass transfer parameters for drying of pulsed electric field (PEF) pretreated plant materials. <i>Journal of Food Engineering</i> , 2022, 316, 110822.	2.7	11
13	Drying Technology Assisted by Nonthermal Pulsed Filamentary Microplasma Treatment: Theory and Practice. <i>ChemEngineering</i> , 2019, 3, 91.	1.0	10
14	Method of Absorbing Material Formation Based on Magnetically Controlled Particles of Fe ₃ O ₄ . <i>Inorganic Materials: Applied Research</i> , 2020, 11, 1236-1243.	0.1	9
15	Influence of Temperature and Solvent Content on Electrical Properties of Sunflower Seed Cake. <i>Journal of Food Processing and Preservation</i> , 2015, 39, 3092-3097.	0.9	8
16	Impact of pulsed electric field and pulsed microwave treatment on morphological and structural characteristics of sunflower seed. <i>OCL - Oilseeds and Fats, Crops and Lipids</i> , 2019, 26, 47.	0.6	8
17	Cold filamentary microplasma pretreatment combined with infrared dryer: Effects on drying efficiency and quality attributes of apple slices. <i>Journal of Food Engineering</i> , 2022, 329, 111049.	2.7	8
18	Extraction Kinetic of Sunflower Seeds Assisted by Pulsed Electric Fields. <i>Iranian Journal of Science and Technology, Transaction A: Science</i> , 2019, 43, 813-817.	0.7	7

#	ARTICLE	IF	CITATIONS
19	Microwave Absorption Properties of Fe ₃ O ₄ Particles Coated with Al via Rotating Magnetic Field Method. <i>Coatings</i> , 2021, 11, 621.	1.2	7
20	Influence of pulsed electrical discharge, hydrostatic pressure and temperature on rheological properties of sunflower cake during oil pressing. <i>Heliyon</i> , 2020, 6, e03046.	1.4	5
21	Experimental Study of a Townsend Discharge with a Multipoint Cathode on a Dynamic Platform Made of Magnetically Controlled Fe and Fe-Al Particles. <i>Technical Physics</i> , 2021, 66, 1141-1150.	0.2	4
22	Pulsed Electric Field Processing as an Effective Tomato Peeling Method. <i>Food Processing: Techniques and Technology</i> , 2022, , 189-198.	0.3	3
23	Numerical Modeling of the Process of Drying Biomaterials After Pulsed Electric Field Treatment Using a System of Temperature, Moisture, and Pressure Equations. <i>Journal of Engineering Physics and Thermophysics</i> , 2020, 93, 1285-1295.	0.2	2
24	Cubing Fabrication/Costing and Machine Performance on African Fermented Condiment Quality Attributes Compared with Commercial Bouillon Types. <i>Processes</i> , 2021, 9, 481.	1.3	2
25	Dynamic Arrays Based on Magnetically Controlled Particles: Synthesis and Application. <i>Materials Research</i> , 2019, 22, .	0.6	2
26	Microplasma Pretreatment of Mango Fruits During Freeze Drying with Thermoelectric Emission. <i>Food Processing: Techniques and Technology</i> , 2020, 50, 681-689.	0.3	2
27	Influences of cold atmospheric plasma pretreatment on drying kinetics, structural, fractional and chemical characteristics of tobacco leaves. <i>Drying Technology</i> , 2022, 40, 3285-3291.	1.7	2
28	Cell membranes of plant materials anatomical integrity changes under the influence of filamentary microplasma treatment assisted by thermionic emission. <i>Uspehi Prikladnoj Fiziki</i> , 2021, 9, 235-244.	0.3	1
29	Pulsed electric field pre-treatment efficiency analysis in processes of biomaterials drying. <i>Vestnik Voronezhskogo Gosudarstvennogo Universiteta in Chernykh Tehnologij</i> , 2019, 80, 49-54.	0.1	1
30	Porous granules formation from oil crops by extrusion process: a theoretical perspective. <i>OCL - Oilseeds and Fats, Crops and Lipids</i> , 2021, 28, 47.	0.6	1
31	Influence of electrophysical treatment on oilseed crops structure with X-ray microtomography application. <i>Vestnik Voronezhskogo Gosudarstvennogo Universiteta in Chernykh Tehnologij</i> , 2018, 80, 116-123.	0.1	1
32	Dynamic arrays based on magnetically controlled Fe ₃ O ₄ particles. <i>MATEC Web of Conferences</i> , 2018, 178, 04006.	0.1	0
33	Synthesis of Magnetically Controlled Fe ₃ O ₄ Composites and Their Enhanced Microwave Absorption Properties. , 2018, , .		0
34	Microwave absorption and reflection properties of a composite dielectric absorber. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 564, 012041.	0.3	0
35	Continuously pulsed electric field treatment chamber modelling and design. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 564, 012032.	0.3	0
36	Pulsed Electrical Discharge and Pulsed Electric Field Treatment during Sunflower Seed Processing. , 0, , .		0

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37	Sunflower mesh rheological properties analysis during pressing with varying temperature, pressure and oil content. Vestnik MGTU, 2019, 22, 395-403.	0.0	0
38	Influence of pulse electric field on oil-bearing material rheology. Food Processing: Techniques and Technology, 2019, 48, 108-113.	0.3	0
39	Absorbing materials based on magnetically controlled Fe-Al microparticles. IOP Conference Series: Materials Science and Engineering, 2022, 1235, 012027.	0.3	0
40	Self-cleaning filtration with magnetically controlled particles. IOP Conference Series: Materials Science and Engineering, 2022, 1235, 012075.	0.3	0