

Jrgen Klepp

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

26

papers

384

citations

11

h-index

19

g-index

28

ext. papers

425

ext. citations

3.1

avg, IF

2.91

L-index

#	Paper	IF	Citations
26	Experimental determination of nanocomposite grating structures by light- and neutron-diffraction in the multi-wave-coupling regime. <i>Optics Express</i> , 2021 , 29, 16153-16163	3.3	
25	Light diffraction from a phase grating at oblique incidence in the intermediate diffraction regime. <i>Applied Physics B: Lasers and Optics</i> , 2021 , 127, 1	1.9	0
24	Feasibility of Probing the Filler Restructuring in Magnetoactive Elastomers by Ultra-Small-Angle Neutron Scattering. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 4470	2.6	1
23	Focusing and imaging of cold neutrons with a permanent magnetic lens. <i>Review of Scientific Instruments</i> , 2020 , 91, 013704	1.7	3
22	Fabrication of nanodiamond-dispersed composite holographic gratings and their light and slow-neutron diffraction properties. <i>Physical Review Applied</i> , 2020 , 14,	4.3	2
21	Light- and Neutron-Optical Properties of Holographic Transmission Gratings from Polymer-Ionic Liquid Composites with Submicron Grating Spacing. <i>Polymers</i> , 2019 , 11,	4.5	2
20	Evolution of nematic and ferromagnetic ordering in suspensions of magnetic nanoplatelets. <i>Soft Matter</i> , 2019 , 15, 5412-5420	3.6	9
19	Retrieving the refractive index profile of a holographic grating by diffraction experiments 2019 ,		1
18	Monte-Carlo simulation of neutron transmission through nanocomposite materials for neutron-optics applications. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019 , 916, 154-157	1.2	1
17	Properties of diffraction gratings holographically recorded in poly(ethylene glycol)dimethacrylate-ionic liquid composites 2017 ,		1
16	Photopolymerizable nanocomposite photonic materials and their holographic applications in light and neutron optics. <i>Journal of Modern Optics</i> , 2016 , 63, S1-S31	1.1	46
15	A Comprehensive Study of Photorefractive Properties in Poly(ethylene glycol) Dimethacrylate-Ionic Liquid Composites. <i>Materials</i> , 2016 , 10,	3.5	6
14	Advancing data analysis for reflectivity measurements of holographic nanocomposite gratings. <i>Journal of Physics: Conference Series</i> , 2016 , 746, 012022	0.3	1
13	Nanoparticle polymer composite volume gratings incorporating chain transfer agents for holography and slow-neutron optics. <i>Optics Letters</i> , 2014 , 39, 3453-6	3	17
12	Fundamental phenomena of quantum mechanics explored with neutron interferometers. <i>Progress of Theoretical and Experimental Physics</i> , 2014 , 2014,	5.4	27
11	Effects of chain-transferring thiol functionalities on the performance of nanoparticle-polymer composite volume gratings. <i>Optics Letters</i> , 2014 , 39, 6743-6	3	12
10	Far-off-Bragg reconstruction of volume holographic gratings: A comparison of experiment and theories. <i>Physical Review A</i> , 2013 , 87,	2.6	6

9	An experimental study on the validity of diffraction theories for off-Bragg replay of volume holographic gratings. <i>Applied Physics B: Lasers and Optics</i> , 2012 , 108, 89-96	1.9	10
8	Location and distribution of inorganic material in a low ash yield, subbituminous coal. <i>International Journal of Coal Geology</i> , 2012 , 94, 173-181	5.5	21
7	Falsification of Leggett's model using neutron matter waves. <i>New Journal of Physics</i> , 2012 , 14, 023039	2.9	7
6	Holographic Gratings for Slow-Neutron Optics. <i>Materials</i> , 2012 , 5, 2788-2815	3.5	15
5	Diffraction of slow neutrons by holographic SiO ₂ nanoparticle-polymer composite gratings. <i>Physical Review A</i> , 2011 , 84,	2.6	18
4	Assessing the potential for CO ₂ adsorption in a subbituminous coal, Huntly Coalfield, New Zealand, using small angle scattering techniques. <i>International Journal of Coal Geology</i> , 2009 , 77, 54-68	5.5	47
3	Observation of nonadditive mixed-state phases with polarized neutrons. <i>Physical Review Letters</i> , 2008 , 101, 150404	7.4	20
2	Evidence for entanglement and full tomographic analysis of Bell states in a single-neutron system. <i>Physical Review A</i> , 2007 , 76,	2.6	22
1	Changes of Ni biogeochemistry in the rhizosphere of the hyperaccumulator <i>Thlaspi goesingense</i> . <i>Plant and Soil</i> , 2005 , 271, 205-218	4.2	89