

Lukas Beran

List of Publications by Year in descending order

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papers

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759233

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#	ARTICLE	IF	CITATIONS
1	Spectral permittivity tensor and density functional theory calculations on the Heusler compound Co ₂ FeAl _{0.5} Si _{0.5} . <i>Physical Review B</i> , 2021, 103, .	3.2	1
2	High Figure of Merit Magneto-Optical Ce- and Bi-Substituted Terbium Iron Garnet Films Integrated on Si. <i>Advanced Optical Materials</i> , 2021, 9, 2100512.	7.3	25
3	Ferrimagnetic garnets for integrated non-reciprocal devices. , 2020, , .		0
4	Magnetic and Magneto-Optical Properties of Fe ₇₅ xMn ₂₅ Gax Heusler-like Compounds. <i>Materials</i> , 2020, 13, 703.	2.9	5
5	Quadratic magneto-optic Kerr effect spectroscopy of Fe epitaxial films on MgO(001) substrates. <i>Physical Review B</i> , 2019, 100, .	3.2	11
6	Investigation of Deep Levels in CdZnTeSe Crystal and Their Effect on the Internal Electric Field of CdZnTeSe Gamma-Ray Detector. <i>IEEE Transactions on Nuclear Science</i> , 2019, 66, 1952-1958.	2.0	20
7	Ferromagnetic resonance of perpendicularly magnetized Tm ₃ Fe ₅ O ₁₂ /Pt heterostructures. <i>Applied Physics Letters</i> , 2019, 115, .	3.3	23
8	Electronic structure of La _{2/3} Sr _{1/3} MnO ₃ : Interplay of oxygen octahedra rotations and epitaxial strain. <i>Physical Review B</i> , 2019, 99, .	3.2	5
9	Magneto-Optical Bi:YIG Films with High Figure of Merit for Nonreciprocal Photonics. <i>Advanced Optical Materials</i> , 2019, 7, 1900056.	7.3	56
10	Optical and magneto-optical properties of GdxFe(100-x) thin films close to the compensation point. <i>Scientific Reports</i> , 2019, 9, 16547.	3.3	11
11	Magnetism and spin transport in rare-earth-rich epitaxial terbium and europium iron garnet films. <i>Physical Review Materials</i> , 2018, 2, .	2.4	77
12	Enhanced magneto-optical effect in Y _{1.5} Ce _{1.5} Fe ₅ O ₁₂ thin films deposited on silicon by pulsed laser deposition. <i>Journal of Alloys and Compounds</i> , 2017, 703, 591-599.	5.5	35
13	Temperature-dependent Faraday rotation and magnetization reorientation in cerium-substituted yttrium iron garnet thin films. <i>APL Materials</i> , 2017, 5, .	5.1	32
14	Fast switching and signature of efficient domain wall motion driven by spin-orbit torques in a perpendicular anisotropy magnetic insulator/Pt bilayer. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	55
15	Optical and Magneto-Optical Properties of Gd ₂₂ Fe ₇₈ Thin Films in the Photon Energy Range From 1.5 to 5.5 eV. <i>Materials</i> , 2016, 9, 23.	2.9	9
16	Dynamics of native oxide growth on CdTe and CdZnTe X-ray and gamma-ray detectors. <i>Science and Technology of Advanced Materials</i> , 2016, 17, 792-798.	6.1	25
17	Optical and magneto-optical properties of Bi substituted yttrium iron garnets prepared by metal organic decomposition. <i>Optical Materials Express</i> , 2016, 6, 1986.	3.0	43
18	Optical and magneto-optical behavior of Cerium Yttrium Iron Garnet thin films at wavelengths of 200-1770nm. <i>Scientific Reports</i> , 2016, 6, 23640.	3.3	125

#	ARTICLE	IF	CITATIONS
19	Optical and magneto-optical studies of martensitic transformation in Ni-Mn-Ga magnetic shape memory alloys. Journal of Applied Physics, 2015, 117, 17A919.	2.5	9
20	Magneto-optical spectroscopy of ferromagnetic shape-memory Ni-Mn-Ga alloy. Journal of Applied Physics, 2014, 115, .	2.5	13
21	Magneto-optical spectroscopy of Co ₂ FeSi Heusler compound. Journal of Applied Physics, 2014, 115, .	2.5	6