Boris Vodungbo

List of Publications by Year
in descending order

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39	1,225	471509	361022
papers	citations	17 h-index	35 g-index

40	40	40	1493
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Single-shot experiments at the soft X-FEL FERMI using a back-side-illuminated scientific CMOS detector. Journal of Synchrotron Radiation, 2022, 29, 103-110.	2.4	5
2	Investigating Coherent Magnetization Control with Ultrashort THz Pulses. Applied Sciences (Switzerland), 2022, 12, 1323.	2.5	6
3	Element-selective analysis of ultrafast demagnetization in Co/Pt multilayers exhibiting large perpendicular magnetic anisotropy. Applied Physics Letters, 2022, 120, .	3.3	4
4	Ultrafast magnetic scattering on ferrimagnets enabled by a bright Yb-based soft x-ray source. Optica, 2022, 9, 399.	9.3	8
5	Analytic description and optimization of magneto-optical Kerr setups with photoelastic modulation. Review of Scientific Instruments, 2022, 93, .	1.3	4
6	Toward ultrafast magnetic depth profiling using time-resolved x-ray resonant magnetic reflectivity. Structural Dynamics, 2021, 8, 034305.	2.3	7
7	Raman Redâ€Shift Compressor: A Simple Approach for Scaling the High Harmonic Generation Cutâ€Off. Advanced Photonics Research, 2021, 2, 2100113.	3.6	5
8	Sub-15-fs X-ray pump and X-ray probe experiment for the study of ultrafast magnetization dynamics in ferromagnetic alloys. Optics Express, 2021, 29, 32388.	3.4	7
9	Time-Resolved XUV Absorption Spectroscopy and Magnetic Circular Dichroism at the Ni M2,3-Edges. Applied Sciences (Switzerland), 2021, 11, 325.	2.5	17
10	Ultrafast Demagnetization Dominates Fluence Dependence of Magnetic Scattering at Co <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>M</mml:mi></mml:math> Edges. Physical Review Letters, 2020, 125, 127201.	7.8	15
11	Transient magnetic gratings on the nanometer scale. Structural Dynamics, 2020, 7, 054501.	2.3	16
12	Laser-induced ultrafast demagnetization and perpendicular magnetic anisotropy reduction in a Co88Tb12 thin film with stripe domains. Physical Review B, 2020, 102, .	3.2	21
13	Element-Specific Magnetization Dynamics of Complex Magnetic Systems Probed by Ultrafast Magneto-Optical Spectroscopy. Applied Sciences (Switzerland), 2020, 10, 7580.	2.5	9
14	Wavelength scaling of ultrafast demagnetization in Co/Pt multilayers. Physical Review B, 2020, 101, .	3.2	19
15	Resonant Faraday effect using high-order harmonics for the investigation of ultrafast demagnetization. Physical Review B, 2019, 100, .	3.2	9
16	Single-shot time-resolved magnetic x-ray absorption at a free-electron laser. Physical Review B, 2019, 99, .	3.2	12
17	Multi-color imaging of magnetic Co/Pt heterostructures. Structural Dynamics, 2017, 4, 014301.	2.3	32
18	Single-shot Monitoring of Ultrafast Processes via X-ray Streaking at a Free Electron Laser. Scientific Reports, 2017, 7, 7253.	3.3	9

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19	Structural dynamics during laser-induced ultrafast demagnetization. Physical Review B, 2017, 95, .	3.2	21
20	Indirect excitation of ultrafast demagnetization. Scientific Reports, 2016, 6, 18970.	3.3	61
21	Imaging Non-Local Magnetization Dynamics. Synchrotron Radiation News, 2016, 29, 26-31.	0.8	0
22	Table-top femtosecond soft X-ray laser by collisional ionization gating. Nature Photonics, 2015, 9, 817-821.	31.4	61
23	Imaging Ultrafast Demagnetization Dynamics after a Spatially Localized Optical Excitation. Physical Review Letters, 2014, 112, .	7.8	113
24	Investigating the role of superdiffusive currents in laser induced demagnetization of ferromagnets with nanoscale magnetic domains. Scientific Reports, 2014, 4, 4658.	3.3	38
25	Sub-100 nanometer lensless probing of Co/Pd magnetic nanodomains using a table-top femtosecond soft X-ray harmonic source. Journal of Modern Optics, 2013, 60, 1475-1483.	1.3	3
26	Precise structural investigation of symmetric diblock copolymer thin films with resonant soft X-ray reflectivity. Soft Matter, 2013, 9, 8820.	2.7	3
27	Surface and bulk ordering in thin films of a symmetrical diblock copolymer. Journal of Polymer Science, Part B: Polymer Physics, 2013, 51, 1282-1287.	2.1	2
28	Comment on â€œUltrafast Demagnetization Measurements Using Extreme Ultraviolet Light: Comparison of Electronic and Magnetic Contributionsâ€• Physical Review X, 2013, 3, .	8.9	5
29	Ultrafast Dynamics of Magnetic Domain Structures Probed by Coherent Free-Electron Laser Light. Synchrotron Radiation News, 2013, 26, 27-32.	0.8	9
30	Breakdown of the X-Ray Resonant Magnetic Scattering Signal during Intense Pulses of Extreme Ultraviolet Free-Electron-Laser Radiation. Physical Review Letters, 2013, 110, 234801.	7.8	37
31	Ultrafast optical demagnetization manipulates nanoscale spin structure in domain walls. Nature Communications, 2012, 3, 1100.	12.8	168
32	Femtosecond Single-Shot Imaging of Nanoscale Ferromagnetic Order in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Co</mml:mi><mml:mo>/</mml:mo><mml:mi>Pd</mml:mi></mml:math>Multilayers Using Resonant X-Ray Holography. Physical Review Letters, 2012, 108, 267403.	7.8	153
33	Laser-induced ultrafast demagnetization in the presence of a nanoscale magnetic domain network. Nature Communications, 2012, 3, 999.	12.8	149
34	Polarization control of high order harmonics in the EUV photon energy range. Optics Express, 2011, 19, 4346.	3.4	103
35	Table-top resonant magnetic scattering with extreme ultraviolet light from high-order harmonic generation. Europhysics Letters, 2011, 94, 54003.	2.0	18
36	Nanowires formation and the origin of ferromagnetism in a diluted magnetic oxide. Applied Physics Letters, 2009, 95, .	3.3	38

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37	Growth and structural analysis of diluted magnetic oxide Co-doped CeO2â^'Î´ films deposited on Si and SrTiO3 (100). Journal of Crystal Growth, 2008, 310, 3380-3385.	1.5	5
38	Structural, magnetic and spectroscopic study of a diluted magnetic oxide: Co doped CeO2â^'Î´. Journal of Physics Condensed Matter, 2008, 20, 125222.	1.8	27
39	Planar assembly of monodisperse metallic cobalt nanoparticles embedded in TiO2â^'Î´matrix. Journal of Physics Condensed Matter, 2007, 19, 116205.	1.8	6