

Benjamin K Ofori-Okai

List of Publications by Year in descending order

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41
papers

1,262
citations

516710

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44
all docs

44
docs citations

44
times ranked

2305
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrafast visualization of incipient plasticity in dynamically compressed matter. Nature Communications, 2022, 13, 1055.	12.8	7
2	Towards performing high-resolution inelastic X-ray scattering measurements at hard X-ray free-electron lasers coupled with energetic laser drivers. Journal of Synchrotron Radiation, 2022, 29, .	2.4	3
3	Ultrafast multi-cycle terahertz measurements of the electrical conductivity in strongly excited solids. Nature Communications, 2021, 12, 1638.	12.8	20
4	Observation of a highly conductive warm dense state of water with ultrafast pump-probe free-electron-laser measurements. Matter and Radiation at Extremes, 2021, 6, .	3.9	6
5	High-resolution inelastic x-ray scattering at the high energy density scientific instrument at the European X-Ray Free-Electron Laser. Review of Scientific Instruments, 2021, 92, 013101.	1.3	15
6	An approach for the measurement of the bulk temperature of single crystal diamond using an X-ray free electron laser. Scientific Reports, 2020, 10, 14564.	3.3	21
7	Macroscopic Ionic Flow in a Superionic Conductor. $\text{Na}^+ + \text{Al}_2\text{O}_3$	7.8	4
8	Single-Shot Multi-Frame Imaging of Cylindrical Shock Waves in a Multi-Layered Assembly. Scientific Reports, 2019, 9, 3689.	3.3	7
9	Dynamics of a Persistent Insulator-to-Metal Transition in Strained Manganite Films. Physical Review Letters, 2019, 123, 267201.	7.8	16
10	An ultrafast symmetry switch in a Weyl semimetal. Nature, 2019, 565, 61-66.	27.8	307
11	Two-Dimensional Spectroscopy at Terahertz Frequencies. Topics in Current Chemistry Collections, 2019, , 275-320.	0.5	5
12	Analysis of terahertz generation by beamlet superposition. Optics Express, 2019, 27, 26547.	3.4	3
13	Two-Dimensional Spectroscopy at Terahertz Frequencies. Topics in Current Chemistry, 2018, 376, 6.	5.8	22
14	Determination of the electron-lattice coupling strength of copper with ultrafast MeV electron diffraction. Review of Scientific Instruments, 2018, 89, 10C108.	1.3	8
15	Super Subwavelength Guiding and Rejecting of Terahertz Spoof SPPs Enabled by Planar Plasmonic Waveguides and Notch Filters Based on Spiral-Shaped Units. Journal of Lightwave Technology, 2018, 36, 4988-4994.	4.6	54
16	A terahertz pump mega-electron-volt ultrafast electron diffraction probe apparatus at the SLAC Accelerator Structure Test Area facility. Journal of Instrumentation, 2018, 13, P06014-P06014.	1.2	13
17	Toward quasi-DC conductivity of warm dense matter measured by single-shot terahertz spectroscopy. Review of Scientific Instruments, 2018, 89, 10D109.	1.3	10
18	Development of a THz Pump MeV Ultrafast Electron Diffraction Probe Apparatus. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
19	Setup for meV-resolution inelastic X-ray scattering measurements and X-ray diffraction at the Matter in Extreme Conditions endstation at the Linac Coherent Light Source. Review of Scientific Instruments, 2018, 89, 10F104.	1.3	25
20	Developments and Applications of Echelon-Based Single-shot Terahertz Spectroscopy. , 2018, , .		0
21	Rapid and precise determination of zero-field splittings by terahertz time-domain electron paramagnetic resonance spectroscopy. Chemical Science, 2017, 8, 7312-7323.	7.4	20
22	Coherent Two-Dimensional Terahertz Magnetic Resonance Spectroscopy of Collective Spin Waves. Physical Review Letters, 2017, 118, 207204.	7.8	106
23	Self-referenced single-shot THz detection. Optics Express, 2017, 25, 16140.	3.4	7
24	Broadband terahertz generation with a stair-step echelon. , 2017, , .		0
25	Transient terahertz photoconductivity measurements of minority-carrier lifetime in tin sulfide thin films: Advanced metrology for an early stage photovoltaic material. Journal of Applied Physics, 2016, 119, .	2.5	47
26	Circumventing limitations of tilted-pulse-front terahertz generation using a stair-step echelon. , 2016, , .		0
27	The impact of sodium contamination in tin sulfide thin-film solar cells. APL Materials, 2016, 4, .	5.1	23
28	Nonlinear two-dimensional terahertz photon echo and rotational spectroscopy in the gas phase. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11800-11805.	7.1	81
29	THz generation using a reflective stair-step echelon. Optics Express, 2016, 24, 5057.	3.4	55
30	What is the Brillouin zone of an anisotropic photonic crystal?. Physical Review B, 2016, 93, .	3.2	4
31	2D Nonlinear Terahertz Magnetic Resonance Spectroscopy of Magnons in a Canted Antiferromagnet. , 2016, , .		1
32	Two-dimensional Terahertz Photon Echo and Rotational Spectroscopy in the Gas Phase. , 2016, , .		2
33	The homogenization limit and waveguide gradient index devices demonstrated through direct visualization of THz fields. New Journal of Physics, 2015, 17, 013013.	2.9	3
34	Invited Article: Single-shot THz detection techniques optimized for multidimensional THz spectroscopy. Review of Scientific Instruments, 2015, 86, 051301.	1.3	82
35	Visualization of guided and leaky wave behaviors in an indium tin oxide metallic slab waveguide. Optics Express, 2015, 23, 14876.	3.4	1
36	Direct experimental visualization of waves and band structure in 2D photonic crystal slabs. New Journal of Physics, 2014, 16, 053003.	2.9	11

#	ARTICLE	IF	CITATIONS
37	Imaging of terahertz fields and responses. , 2014, , .		3
38	Chemically assisted femtosecond laser machining for applications in LiNbO3 and LiTaO3. Applied Physics A: Materials Science and Processing, 2013, 112, 615-622.	2.3	25
39	High-Resolution, Low-Noise Imaging in THz Polaritonics. IEEE Transactions on Terahertz Science and Technology, 2013, 3, 239-247.	3.1	11
40	Intermolecular Vibrations in Hydrophobic Amino Acid Crystals: Experiments and Calculations. Journal of Physical Chemistry B, 2013, 117, 10444-10461.	2.6	73
41	Spin properties of very shallow nitrogen vacancy defects in diamond. Physical Review B, 2012, 86, .	3.2	159