

Bong Joo Kang

List of Publications by Year in descending order

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29
docs citations

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citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrafast and Low-Threshold THz Mode Switching of Two-Dimensional Nonlinear Metamaterials. Nano Letters, 2022, 22, 2016-2022.	9.1	9
2	Ultrafast Mode Switching of Metamaterials Driven by Intense THz Field-Induced Impact Ionization. , 2021, , .		0
3	THz-Pump/SC-Probe Spectroscopy and the Non-resonant Dynamic Stark Effect of Molecules. , 2021, , .		0
4	Highly Nonlinear Optical Organic Crystals for Efficient Terahertz Wave Generation, Detection, and Applications. Advanced Optical Materials, 2021, 9, 2101019.	7.3	49
5	Electrically Controllable Terahertz Secondâ€Harmonic Generation in GaAs. Advanced Optical Materials, 2020, 8, 2000359.	7.3	11
6	Wideâ€Bandgap Organic Crystals: Enhanced Opticalâ€toâ€Terahertz Nonlinear Frequency Conversion at Nearâ€Infrared Pumping. Advanced Optical Materials, 2020, 8, 1902099.	7.3	15
7	Single-Layered Metasurfaces as Spectrally Tunable Terahertz Half- and Quarter-Waveplates. , 2019, , .		0
8	Fluorinated Organic Electroâ€Optic Quinolinium Crystals for THz Wave Generation. Advanced Optical Materials, 2019, 7, 1801495.	7.3	12
9	Single-Layer Metasurfaces as Spectrally Tunable Terahertz Half- and Quarter-Waveplates. ACS Applied Materials & Interfaces, 2019, 11, 7655-7660.	8.0	30
10	Energy-level engineering of the electron transporting layer for improving open-circuit voltage in dye and perovskite-based solar cells. Energy and Environmental Science, 2019, 12, 958-964.	30.8	116
11	Terahertz Waves: New Class of Efficient Terahertz Generators: Effective Terahertz Spectral Filling by Complementary Tandem Configuration of Nonlinear Organic Crystals (Adv. Funct. Mater. 15/2018). Advanced Functional Materials, 2018, 28, 1870096.	14.9	0
12	Single Crystals Based on Hydrogenâ€Bonding Mediated Cationâ€Anion Assembly with Extremely Large Optical Nonlinearity and Their Application for Intense THz Wave Generation. Advanced Optical Materials, 2018, 6, 1701258.	7.3	24
13	New Class of Efficient Terahertz Generators: Effective Terahertz Spectral Filling by Complementary Tandem Configuration of Nonlinear Organic Crystals. Advanced Functional Materials, 2018, 28, 1707195.	14.9	17
14	Efficient Opticalâ€toâ€THz Conversion Organic Crystals with Simultaneous Electron Withdrawing and Donating Halogen Substituents. Advanced Optical Materials, 2018, 6, 1700930.	7.3	27
15	Electrical switching between terahertz second and third harmonic generation in photo-doped GaAs. , 2018, , .		0
16	Organic Threeâ€Component Single Crystals with Pseudoâ€Isomorphous Cocrystallization for Nonlinear Optics and THz Photonics. Advanced Functional Materials, 2018, 28, 1805257.	14.9	28
17	Anomalous Wavelength Scaling of Tightly Coupled Terahertz Metasurfaces. ACS Applied Materials & Interfaces, 2018, 10, 19331-19335.	8.0	8
18	Yellowâ€Colored Electroâ€Optic Crystals as Intense Terahertz Wave Sources. Advanced Functional Materials, 2018, 28, 1801143.	14.9	32

#	ARTICLE	IF	CITATIONS
19	Nonlinear Optical Salt Crystals: Single Crystals Based on Hydrogen-Bonding Mediated Cation-Anion Assembly with Extremely Large Optical Nonlinearity and Their Application for Intense THz Wave Generation (Advanced Optical Materials 10/2018). Advanced Optical Materials, 2018, 6, 1870039.	7.3	0
20	Terahertz Phonon Mode Engineering of Highly Efficient Organic Terahertz Generators. Advanced Functional Materials, 2017, 27, 1605583.	14.9	38
21	Benzothiazolium Single Crystals: A New Class of Nonlinear Optical Crystals with Efficient THz Wave Generation. Advanced Materials, 2017, 29, 1701748.	21.0	64
22	Optical Crystals: Benzothiazolium Single Crystals: A New Class of Nonlinear Optical Crystals with Efficient THz Wave Generation (Adv. Mater. 30/2017). Advanced Materials, 2017, 29, .	21.0	1
23	Quinolinium single crystals with a high optical nonlinearity and unusual out-of-plane polar axis. Journal of Materials Chemistry C, 2017, 5, 12602-12609.	5.5	11
24	Complementary tandem configuration of nonlinear organic crystals for efficient terahertz spectral filling. , 2017, , .		0