# Bong Joo Kang

List of Publications by Year
in descending order

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| 24 | 492 | 840776 11 | 888059 17 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 29 | 29 | 29 | 529 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | 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 |
| 2 | Benzothiazolium Single Crystals: A New Class of Nonlinear Optical Crystals with Efficient THz Wave Generation. Advanced Materials, 2017, 29, 1701748. | 21.0 | 64 |
| 3 | Highly Nonlinear Optical Organic Crystals for Efficient Terahertz Wave Generation, Detection, and Applications. Advanced Optical Materials, 2021, 9, 2101019. | 7.3 | 49 |
| 4 | Terahertz Phonon Mode Engineering of Highly Efficient Organic Terahertz Generators. Advanced Functional Materials, 2017, 27, 1605583. | 14.9 | 38 |
| 5 | Yellowâ€Colored Electroâ€Optic Crystals as Intense Terahertz Wave Sources. Advanced Functional Materials, 2018, 28, 1801143. | 14.9 | 32 |
| 6 | Single-Layer Metasurfaces as Spectrally Tunable Terahertz Half- and Quarter-Waveplates. ACS Applied Materials & Interfaces, 2019, 11, 7655-7660. | 8.0 | 30 |
| 7 | Organic Threeâ€Component Single Crystals with Pseudoâ€Isomorphic Cocrystallization for Nonlinear Optics and THz Photonics. Advanced Functional Materials, 2018, 28, 1805257. | 14.9 | 28 |
| 8 | Efficient Opticalâ€toâ€THz Conversion Organic Crystals with Simultaneous Electron Withdrawing and Donating Halogen Substituents. Advanced Optical Materials, 2018, 6, 1700930. | 7.3 | 27 |
| 9 | 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 |
| 10 | 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 |
| 11 | Wideâ€Bandgap Organic Crystals: Enhanced Opticalâ€toâ€Terahertz Nonlinear Frequency Conversion at Nearâ€Infrared Pumping. Advanced Optical Materials, 2020, 8, 1902099. | 7.3 | 15 |
| 12 | Fluorinated Organic Electroâ€Optic Quinolinium Crystals for THz Wave Generation. Advanced Optical Materials, 2019, 7, 1801495. | 7.3 | 12 |
| 13 | 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 |
| 14 | Electrically Controllable Terahertz Secondâ€Harmonic Generation in GaAs. Advanced Optical Materials, 2020, 8, 2000359. | 7.3 | 11 |
| 15 | Ultrafast and Low-Threshold THz Mode Switching of Two-Dimensional Nonlinear Metamaterials. Nano Letters, 2022, 22, 2016-2022. | 9.1 | 9 |
| 16 | Anomalous Wavelength Scaling of Tightly Coupled Terahertz Metasurfaces. ACS Applied Materials & Interfaces, 2018, 10, 19331-19335. | 8.0 | 8 |
| 17 | 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 |
| 18 | Complementary tandem configuration of nonlinear organic crystals for efficient terahertz spectral filling. , 2017, , . | | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | 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 |
| 20 | Electrical switching between terahertz second and third harmonic generation in photo-doped GaAs. , 2018, , . | | 0 |
| 21 | 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 |
| 22 | Single-Layered Metasurfaces as Spectrally Tunable Terahertz Half- and Quarter-Waveplates. , 2019, , . | | 0 |
| 23 | Ultrafast Mode Switching of Metamaterials Driven by Intense THz Field-Induced Impact Ionization. , 2021, , . | | 0 |
| 24 | THz-Pump/SC-Probe Spectroscopy and the Non-resonant Dynamic Stark Effect of Molecules. , 2021, , . | | 0 |