

# Bumki Min

## List of Publications by Year in descending order

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45  
papers

2,514  
citations

394421

19  
h-index

477307

29  
g-index

45  
all docs

45  
docs citations

45  
times ranked

3095  
citing authors

#	ARTICLE	IF	CITATIONS
1	Resonance-enhanced spectral funneling in Fabry-Pérot resonators with a temporal boundary mirror. <i>Nanophotonics</i> , 2022, 11, 2045-2055.	6.0	7
2	Spin Hall Effect of Light with Near-Unity Efficiency in the Microwave. <i>Laser and Photonics Reviews</i> , 2021, 15, 2000393.	8.7	39
3	Parametric oscillation of electromagnetic waves in momentum band gaps of a spatiotemporal crystal. <i>Photonics Research</i> , 2021, 9, 142.	7.0	11
4	Spatiotemporal plane wave expansion method for arbitrary space-time periodic photonic media. <i>Optics Letters</i> , 2021, 46, 484.	3.3	21
5	Bulk Metamaterials Exhibiting Chemically Tunable Hyperbolic Responses. <i>Journal of the American Chemical Society</i> , 2021, 143, 20725-20734.	13.7	13
6	Electrically Controllable Terahertz Second-Harmonic Generation in GaAs. <i>Advanced Optical Materials</i> , 2020, 8, 2000359.	7.3	11
7	Partially Spatial Coherent Thermal Emitter Based on an Epsilon-and-mu-near-zero Metamaterial. <i>Journal of the Korean Physical Society</i> , 2020, 76, 889-894.	0.7	0
8	Metamaterials for Enhanced Optical Responses and their Application to Active Control of Terahertz Waves. <i>Advanced Materials</i> , 2020, 32, e2000250.	21.0	55
9	Observation of an exceptional point in a non-Hermitian metasurface. <i>Nanophotonics</i> , 2020, 9, 1031-1039.	6.0	55
10	A General Recipe for Nondispersive Optical Activity in Bilayer Chiral Metamaterials. <i>Advanced Optical Materials</i> , 2019, 7, 1801729.	7.3	7
11	Electrically Tunable Slow Light Using Graphene Metamaterials. <i>ACS Photonics</i> , 2018, 5, 1800-1807.	6.6	187
12	Amplitude Modulation of Anomalously Refracted Terahertz Waves with Gated Graphene Metasurfaces. <i>Advanced Optical Materials</i> , 2018, 6, 1700507.	7.3	100
13	Electrical switching between terahertz second and third harmonic generation in photo-doped GaAs. , 2018, , .		0
14	Linear frequency conversion via sudden merging of meta-atoms in time-variant metasurfaces. <i>Nature Photonics</i> , 2018, 12, 765-773.	31.4	88
15	Control of terahertz nonlinear transmission with electrically gated graphene metadevices. <i>Scientific Reports</i> , 2017, 7, 42833.	3.3	10
16	Electrical access to critical coupling of circularly polarized waves in graphene chiral metamaterials. <i>Science Advances</i> , 2017, 3, e1701377.	10.3	113
17	Photoinduced Nonlinear Mixing of Terahertz Dipole Resonances in Graphene Metadevices. <i>Advanced Materials</i> , 2016, 28, 1495-1500.	21.0	13
18	Heterogeneously Assembled Metamaterials and Metadevices via 3D Modular Transfer Printing. <i>Scientific Reports</i> , 2016, 6, 27621.	3.3	35

#	ARTICLE	IF	CITATIONS
19	Designing whispering gallery modes via transformation optics. Nature Photonics, 2016, 10, 647-652.	31.4	47
20	Designing whispering gallery modes via transformation optics. , 2016, , .		0
21	Grapheneâ€™ferroelectric metadevices for nonvolatile memory and reconfigurable logic-gate operations. Nature Communications, 2016, 7, 10429.	12.8	89
22	THz near-field spectral encoding imaging using a rainbow metasurface. Scientific Reports, 2015, 5, 14403.	3.3	21
23	Nanolithography using micro-scale mask enabled by hyperbolic metamaterial. , 2015, , .		0
24	Restoring whispering gallery modes with transformation optics. , 2015, , .		0
25	Photoinduced nonlinear mixing of terahertz dipole resonances in graphene metadvice. , 2015, , .		0
26	InGaAsP nanobeam light emitter integrated with Si waveguide via transfer printing. , 2015, , .		0
27	Designing whispering gallery modes via transformation optics. , 2015, , .		0
28	Chiral interactions of light in complex potentials. , 2015, , .		1
29	A printed nanobeam laser on silicon. , 2015, , .		0
30	THz near-field spectral encoding imaging using a rainbow metasurface. , 2015, , .		2
31	Rotationally reconfigurable metamaterials based on moirÃ© phenomenon. Optics Express, 2015, 23, 17443.	3.4	16
32	Nondispersive optical activity of meshed helical metamaterials. Nature Communications, 2014, 5, 5435.	12.8	49
33	Optical Activity Enhanced by Strong Inter-molecular Coupling in Planar Chiral Metamaterials. Scientific Reports, 2014, 4, 5864.	3.3	33
34	Broadband Modulation of Terahertz Waves With Non-Resonant Graphene Meta-Devices. IEEE Transactions on Terahertz Science and Technology, 2013, 3, 764-771.	3.1	36
35	Ultrafast refractive index control of terahertz graphene metamaterials. , 2013, , .		0
36	Ultrafast refractive index control of THz graphene metamaterials. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
37	Gate-controlled active graphene metamaterials at terahertz frequencies. , 2012, , .		0
38	Switching terahertz waves with gate-controlled active graphene metamaterials. Nature Materials, 2012, 11, 936-941.	27.5	777
39	Reversibly Stretchable and Tunable Terahertz Metamaterials with Wrinkled Layouts. Advanced Materials, 2012, 24, 3491-3497.	21.0	87
40	Metamaterials: Reversibly Stretchable and Tunable Terahertz Metamaterials with Wrinkled Layouts (Adv. Mater. 26/2012). Advanced Materials, 2012, 24, 3438-3438.	21.0	2
41	A terahertz metamaterial with unnaturally high refractive index. Nature, 2011, 470, 369-373.	27.8	551
42	A Narrow-Linewidth On-Chip Toroid Raman Laser. IEEE Journal of Quantum Electronics, 2011, 47, 320-326.	1.9	34
43	1-D nanobeam resonators and lasers. , 2010, , .		0
44	High frequency carbon nanomechanical resonators embedded with carbon nanotube stiffening layers. Applied Physics Letters, 2010, 97, .	3.3	4
45	High-Q/small-V on-chip plasmonic cavities and their applications. , 2009, , .		0