

# Min-Suk Kwon

## List of Publications by Year in descending order

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30  
papers

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citations

933447

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752698

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all docs

30  
docs citations

30  
times ranked

496  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microring-resonator-based sensor measuring both the concentration and temperature of a solution. Optics Express, 2008, 16, 9372.	3.4	89
2	Metal-insulator-silicon-insulator-metal waveguides compatible with standard CMOS technology. Optics Express, 2011, 19, 8379.	3.4	61
3	Discussion of the Epsilon-Near-Zero Effect of Graphene in a Horizontal Slot Waveguide. IEEE Photonics Journal, 2014, 6, 1-9.	2.0	55
4	Characterizations of realized metal-insulator-silicon-insulator-metal waveguides and nanochannel fabrication via insulator removal. Optics Express, 2012, 20, 21875.	3.4	25
5	Plasmofluidic Disk Resonators. Scientific Reports, 2016, 6, 23149.	3.3	22
6	Theoretical Investigation of an Interferometer-type Plasmonic Biosensor Using a Metal-insulator-silicon Waveguide. Plasmonics, 2010, 5, 347-354.	3.4	19
7	A Numerically Stable Analysis Method for Complex Multilayer Waveguides Based on Modified Transfer-Matrix Equations. Journal of Lightwave Technology, 2009, 27, 4407-4414.	4.6	14
8	Mid-infrared subwavelength modulator based on grating-assisted coupling of a hybrid plasmonic waveguide mode to a graphene plasmon. Nanoscale, 2017, 9, 17429-17438.	5.6	13
9	Disposable and compact integrated plasmonic sensor using a long-period grating. Optics Letters, 2010, 35, 3835.	3.3	11
10	Metal-Insulator-Silicon-Insulator-Metal Waveguide Splitters With Large-Arm Separation. Journal of Lightwave Technology, 2015, 33, 3843-3849.	4.6	11
11	Efficient Coupling Between Photonic and Dielectric-Loaded Surface Plasmon Polariton Waveguides With the Same Core Material. IEEE Photonics Journal, 2014, 6, 1-9.	2.0	9
12	Investigation of 90° submicrometer radius bends of metal-insulator-silicon-insulator-metal waveguides. Optics Letters, 2014, 39, 715.	3.3	9
13	Silicon photonic add-drop filter based on a grating-assisted co-directionally coupled vertical hybrid structure. Optics Express, 2019, 27, 11748.	3.4	7
14	Investigation and Improvement of 90° Direct Bends of Metal-Insulator-Silicon-Insulator-Metal Waveguides. IEEE Photonics Journal, 2013, 5, 6601909-6601909.	2.0	6
15	Compact Silicon Slot Waveguide Intersection Based on Mode Transformation and Multimode Interference. IEEE Photonics Journal, 2017, 9, 1-10.	2.0	6
16	Experimental investigation of plasmofluidic waveguides. Applied Physics Letters, 2015, 107, 201104.	3.3	5
17	Bulk-Silicon-Based Waveguides and Bends Fabricated Using Silicon Wet Etching: Properties and Limits. Journal of Lightwave Technology, 2017, 35, 3918-3923.	4.6	5
18	Discussion of Two Ways of Optically Modeling Indium-Tin-Oxide Layers in Slot Waveguides for Waveguide Analysis. IEEE Photonics Journal, 2016, 8, 1-9.	2.0	4

#	ARTICLE	IF	CITATIONS
19	Solid-Electrolyte-Gated Graphene-Covered Metal-Insulator-Silicon-Insulator-Metal Waveguide With a Remarkably Large Modulation Depth. IEEE Access, 2019, 7, 174312-174324.	4.2	3
20	Theoretical Investigation of Intersections of Metal-Insulator-Silicon-Insulator-Metal Waveguides. IEEE Photonics Journal, 2016, 8, 1-10.	2.0	2
21	Compact Low-Loss Electroabsorption Modulator Using a Graphene-Inserted Metal-Slot-Added Waveguide. IEEE Access, 2020, 8, 203309-203316.	4.2	2
22	Mid-infrared optical waveguide modulator based on the epsilon-near-zero effect of ITO. , 2015, , .		1
23	Glucose sensor based on two distinct microring resonators. , 2008, , .		0
24	Influence of the Parameters of a Heater Array Inducing a Thermo-optic Long-Period Grating on Its Power Consumption. Journal of Lightwave Technology, 2009, 27, 1108-1113.	4.6	0
25	Theoretical investigation of graphene-based inverted rib-type silicon waveguides. , 2015, , .		0
26	Theoretical Study of a Tunable Transmissive Subtractive Color Filter Using Thin Metal Films and Transparent Conducting Oxide. , 2018, , .		0
27	Theoretical Investigation of a Plasmonic Waveguide Modulator Using Grating-Assisted Coupling to a Graphene Plasmon. , 2018, , .		0
28	Thermal Tuning of Plasmo-fluidic Disk Resonators Filled With a Liquid Crystal: Its Narrow-Trench Filling and Arrangement. Journal of Lightwave Technology, 2020, 38, 4419-4428.	4.6	0
29	Metal-Insulator-Silicon-Insulator-Metal Waveguide with Its Insulator Replaced by Fluid. , 2015, , .		0
30	Experimental Investigation of Intensity Modulation of a Graphene-covered Silicon-based Hybrid Plasmonic Waveguide. , 2019, , .		0