

# Ilya P Radko

## List of Publications by Year in descending order

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Version: 2024-02-01

45  
papers

2,475  
citations

318942

23  
h-index

325983

40  
g-index

45  
all docs

45  
docs citations

45  
times ranked

3864  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitrogen-vacancy defect emission spectra in the vicinity of an adjustable silver mirror. <i>Materials for Quantum Technology</i> , 2021, 1, 015002.	1.2	1
2	Monolithic integration of InP on Si by molten alloy driven selective area epitaxial growth. <i>Nanoscale</i> , 2020, 12, 23780-23788.	2.8	5
3	Observation of the magneto-optic Voigt effect in a paramagnetic diamond membrane. <i>Physical Review B</i> , 2020, 101, .	1.1	1
4	Cavity-Enhanced Photon Emission from a Single Germanium-Vacancy Center in a Diamond Membrane. <i>Physical Review Applied</i> , 2020, 13, .	1.5	22
5	Photophysics of quantum emitters in hexagonal boron-nitride nano-flakes. <i>Optics Express</i> , 2020, 28, 7475.	1.7	33
6	Determining the internal quantum efficiency of shallow-implanted nitrogen-vacancy defects in bulk diamond. <i>Optics Express</i> , 2016, 24, 27715.	1.7	27
7	Near-field characterization of bound plasmonic modes in metal strip waveguides. <i>Optics Express</i> , 2016, 24, 4582.	1.7	15
8	Maximum modulation of plasmon-guided modes by graphene gating. <i>Optics Express</i> , 2016, 24, 8266.	1.7	13
9	Design, fabrication and SNOM investigation of plasmonic devices. , 2016, , .		0
10	Random-phase metasurfaces at optical wavelengths. <i>Scientific Reports</i> , 2016, 6, 28448.	1.6	43
11	Hybrid grapheme plasmonic waveguide modulators. , 2016, , .		0
12	Excitation of surface plasmon polariton modes with multiple nitrogen vacancy centers in single nanodiamonds. <i>Journal of Optics (United Kingdom)</i> , 2016, 18, 024002.	1.0	3
13	Boosting Local Field Enhancement by on-Chip Nanofocusing and Impedance-Matched Plasmonic Antennas. <i>Nano Letters</i> , 2015, 15, 8148-8154.	4.5	65
14	Hybrid graphene plasmonic waveguide modulators. <i>Nature Communications</i> , 2015, 6, 8846.	5.8	232
15	Compact wavelength add-drop multiplexers using Bragg gratings in coupled dielectric-loaded plasmonic waveguides. <i>Optics Letters</i> , 2015, 40, 2429.	1.7	12
16	Coupling of individual quantum emitters to channel plasmons. <i>Nature Communications</i> , 2015, 6, 7883.	5.8	140
17	On-Chip Detection of Radiation Guided by Dielectric-Loaded Plasmonic Waveguides. <i>Nano Letters</i> , 2015, 15, 476-480.	4.5	24
18	Efficient Excitation of Channel Plasmons in Tailored, UV-Lithography-Defined V-Grooves. <i>Nano Letters</i> , 2014, 14, 1659-1664.	4.5	40

#	ARTICLE	IF	CITATIONS
19	High Excitation Efficiency of Channel Plasmon Polaritons in Tailored, UV-Lithography-Defined V-Grooves. , 2014, , .		0
20	Graphene-protected copper and silver plasmonics. Scientific Reports, 2014, 4, 5517.	1.6	217
21	Compact and broadband directional coupling and demultiplexing in dielectric-loaded surface plasmon polariton waveguides based on the multimode interference effect. Applied Physics Letters, 2013, 103, .	1.5	24
22	Detuned-resonator induced transparency in dielectric-loaded plasmonic waveguides. Optics Letters, 2013, 38, 875.	1.7	23
23	Directional coupling in long-range dielectric-loaded plasmonic waveguides. Optics Express, 2013, 21, 8799.	1.7	8
24	Gap plasmon-based metasurfaces for total control of reflected light. Scientific Reports, 2013, 3, 2155.	1.6	309
25	Partial loss compensation in dielectric-loaded plasmonic waveguides at near infra-red wavelengths. Optics Express, 2012, 20, 7771.	1.7	35
26	Experimental characterization of dielectric-loaded plasmonic waveguide-racetrack resonators at near-infrared wavelengths. Applied Physics B: Lasers and Optics, 2012, 107, 401-407.	1.1	13
27	Organic nanofiber-loaded surface plasmon-polariton waveguides. Optics Express, 2011, 19, 15155.	1.7	22
28	Efficient channel-plasmon excitation by nano-mirrors. Applied Physics Letters, 2011, 99, 213109.	1.5	15
29	Stimulated emission of surface plasmon polaritons by lead-sulphide quantum dots at near infra-red wavelengths. Optics Express, 2010, 18, 18633.	1.7	51
30	Detuned Electrical Dipoles for Plasmonic Sensing. Nano Letters, 2010, 10, 4571-4577.	4.5	86
31	Plasmonic metasurfaces for waveguiding and field enhancement. Laser and Photonics Reviews, 2009, 3, 575-590.	4.4	43
32	Efficient unidirectional ridge excitation of surface plasmons. Optics Express, 2009, 17, 7228.	1.7	103
33	Efficiency of local surface plasmon polariton excitation on ridges. Physical Review B, 2008, 78, .	1.1	88
34	Refracting surface plasmon polaritons with nanoparticle arrays. Optics Express, 2008, 16, 3924.	1.7	36
35	Efficiency of local surface plasmon polariton excitation on ridges. Proceedings of SPIE, 2008, , .	0.8	3
36	Modulation of surface plasmon coupling-in by one-dimensional surface corrugation. New Journal of Physics, 2008, 10, 033035.	1.2	30

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37	Surface plasmon polariton beam focusing with parabolic nanoparticle chains. Optics Express, 2007, 15, 6576.	1.7	73
38	Localized field enhancements in fractal shaped periodic metal nanostructures. Optics Express, 2007, 15, 15234.	1.7	23
39	Efficient unidirectional nanoslit couplers for surface plasmons. Nature Physics, 2007, 3, 324-328.	6.5	461
40	Laser-fabricated dielectric optical components for surface plasmon polaritons. Optics Letters, 2006, 31, 1307.	1.7	100
41	Adiabatic bends in surface plasmon polariton band gap structures. Optics Express, 2006, 14, 4107.	1.7	11
42	Transfer function and near-field detection of evanescent waves. Applied Optics, 2006, 45, 4054.	2.1	15
43	Near-field mapping of surface refractive-index distributions. Laser Physics Letters, 2005, 2, 440-444.	0.6	10
44	Near-field detection of evanescent waves. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 4101-4105.	0.8	0
45	Mapping of surface refractive-index distribution by reflection SNOM. , 2005, , .		0