

# Ildar F Salakhutdinov

## List of Publications by Year in descending order

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36  
papers

1,011  
citations

759233

12  
h-index

713466

21  
g-index

36  
all docs

36  
docs citations

36  
times ranked

1045  
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymer-based surface-plasmon-polariton stripe waveguides at telecommunication wavelengths. Applied Physics Letters, 2003, 82, 668-670.	3.3	278
2	Nonlocal effects in effective-medium response of nanolayered metamaterials. Applied Physics Letters, 2007, 90, 191109.	3.3	214
3	Highly confined optical modes in nanoscale metal-dielectric multilayers. Physical Review B, 2007, 75, .	3.2	194
4	A simple miniature optical spectrometer with a planar waveguide grating coupler in combination with a plano-convex lens. Optics Express, 2006, 14, 4064.	3.4	59
5	Concept of a miniature optical spectrometer using integrated optical and micro-optical components. Applied Optics, 2006, 45, 7811.	2.1	46
6	Nanopatterning effects on astrocyte reactivity. Journal of Biomedical Materials Research - Part A, 2013, 101A, 1743-1757.	4.0	37
7	Identity of long-range surface plasmons along asymmetric structures and their potential for refractometric sensors. Journal of Applied Physics, 2001, 90, 852-859.	2.5	31
8	Long-range surface plasmons in asymmetric layered metal-dielectric structures. Sensors and Actuators B: Chemical, 1999, 54, 37-42.	7.8	27
9	Plasmonic Nanolayer Composites: Coupled Plasmon Polaritons, Effective-Medium Response, and Subdiffraction Light Manipulation. Journal of Nanomaterials, 2007, 2007, 1-8.	2.7	21
10	Sub-micron grating fabrication on hafnium oxide thin-film waveguides with focused ion-beam milling. Optics Express, 2006, 14, 1505.	3.4	19
11	Anomalous light reflection at the surface of a corrugated thin metal film. IEEE Journal of Quantum Electronics, 1998, 34, 1054-1060.	1.9	15
12	Highly efficient diffraction gratings for use in the Littman " Metcalf mounting. Quantum Electronics, 1998, 28, 983-986.	1.0	12
13	Fibronectin Adsorption to Nanopatterned Silicon Surfaces. Journal of Nanomaterials, 2008, 2008, 1-5.	2.7	12
14	Structural properties and spatial ordering in multilayered ZnMgTe/ZnSe type-II quantum dot structures. Journal of Applied Physics, 2012, 111, .	2.5	11
15	Radiative transitions in stacked type-II ZnMgTe quantum dots embedded in ZnSe. Journal of Applied Physics, 2012, 112, 063521.	2.5	10
16	Characterization of long-range surface plasmon-polariton in stripe waveguides using scanning near-field optical microscopy. Journal of Applied Physics, 2007, 102, 123110.	2.5	5
17	Tunable wide-aperture semiconductor laser with an external waveguide " grating mirror. Quantum Electronics, 2001, 31, 35-38.	1.0	4
18	Fluorescence excitation by enhanced plasmon upconversion under continuous wave illumination. Photonics and Nanostructures - Fundamentals and Applications, 2016, 21, 32-43.	2.0	4

#	ARTICLE	IF	CITATIONS
19	Protein sensing using ultra-high refractive index plasmonic hyperbolic metamaterials. , 2019, , .		4
20	Anomalous reflection of light from the surface of a corrugated thin metal film. Quantum Electronics, 1997, 27, 795-799.	1.0	3
21	Resonant conversion of plasmons in a rippled metal-insulator structure. Technical Physics Letters, 1998, 24, 715-718.	0.7	2
22	Abnormal reflecting mirror structures for intra-cavity Čerenkov second-harmonic generation. Applied Physics B: Lasers and Optics, 2001, 73, 541-545.	2.2	1
23	Nonlocal effects in effective medium response of nanolayered metamaterials. , 2007, , .		1
24	Diffraction gratings for compact integrated optical structures. , 2009, , .		1
25	<title>Glass composition influence on the photoinduced second harmonic generation efficiency and ion-exchange process</title>. , 1997, , .		0
26	Long-range plasmons in an asymmetric four-layer metalâ€”dielectric structure. Quantum Electronics, 1998, 28, 647-651.	1.0	0
27	<title>High-efficiency dielectric gratings for laser resonators</title>. , 1998, , .		0
28	A compact tunable narrow-band LD based on emission through the substrate and an external abnormal-reflection mirror. IEEE Photonics Technology Letters, 2001, 13, 1155-1157.	2.5	0
29	Frequency doubling in the Čerenkov regime utilizing an abnormal reflecting mirror structure. , 2001, 4350, 154.		0
30	Long-Range Plasmons in Asymmetric Four-Layer Structure: the Phase-Polarization Contrast Method. Journal of Russian Laser Research, 2001, 22, 61-68.	0.6	0
31	Model-independent method for the determination of guiding thin-film optical parameters. Applied Optics, 2006, 45, 6007.	2.1	0
32	Diffraction imaging micro-spectrometer. , 2006, , .		0
33	Ablation of aluminum nitride films by nanosecond and femtosecond laser pulses. , 2009, , .		0
34	Corrugated plasmonic structures for biomedical applications. Proceedings of SPIE, 2009, , .	0.8	0
35	Surface damage of thin AlN films with increased oxygen content by nanosecond and femtosecond laser pulses. Proceedings of SPIE, 2009, , .	0.8	0
36	Diffraction gratings for a compact integrated optical micro-spectrometer. , 2006, , .		0