

# Pieter G Kik

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

612  
citations

840776

11  
h-index

940533

16  
g-index

20  
all docs

20  
docs citations

20  
times ranked

1201  
citing authors

#	ARTICLE	IF	CITATIONS
1	Exciton Resonance Tuning in Atomically-Thin Optical Elements. , 2021, , .		0
2	Nanoelectromechanical modulation of a strongly-coupled plasmonic dimer. Nature Communications, 2021, 12, 48.	12.8	19
3	Self-assembled multifunctional nanostructures for surface passivation and photon management in silicon photovoltaics. Nanophotonics, 2021, 10, 4611-4621.	6.0	1
4	Exciton resonance tuning of an atomically thin lens. Nature Photonics, 2020, 14, 426-430.	31.4	80
5	Transparent multispectral photodetectors mimicking the human visual system. Nature Communications, 2019, 10, 4982.	12.8	50
6	Anti-Hermitian photodetector facilitating efficient subwavelength photon sorting. Nature Communications, 2018, 9, 316.	12.8	26
7	Direct Electrospray Printing of Gradient Refractive Index Chalcogenide Glass Films. ACS Applied Materials & Interfaces, 2017, 9, 26990-26995.	8.0	27
8	Purcell effect for active tuning of light scattering from semiconductor optical antennas. Science, 2017, 358, 1407-1410.	12.6	97
9	Omnidirectional excitation of sidewall gap-plasmons in a hybrid gold-nanoparticle/aluminum-nanopore structure. APL Photonics, 2016, 1, .	5.7	0
10	Photonic Multitasking Interleaved Si Nanoantenna Phased Array. Nano Letters, 2016, 16, 7671-7676.	9.1	113
11	Electrospray Deposition of Uniform Thickness Ge<sub>23</sub>Sb<sub>7</sub>S<sub>70</sub> and As<sub>40</sub>S<sub>60</sub> Chalcogenide Glass Films. Journal of Visualized Experiments. 2016, . .	0.3	6
12	Wide-Band Spectral Control of Au Nanoparticle Plasmon Resonances on a Thermally and Chemically Robust Sensing Platform. Journal of Physical Chemistry C, 2013, 117, 19127-19133.	3.1	23
13	Frequency dependent power efficiency of a nanostructured surface plasmon coupler. Physica Status Solidi - Rapid Research Letters, 2010, 4, 280-282.	2.4	4
14	Determination of optimum Si excess concentration in Er-doped Si-rich SiO <sub>2</sub> for optical amplification at 1.54µm. Applied Physics Letters, 2010, 97, 201107.	3.3	7
15	Single Particle Spectroscopy Study of Metal-Film-Induced Tuning of Silver Nanoparticle Plasmon Resonances. Journal of Physical Chemistry C, 2010, 114, 7509-7514.	3.1	121
16	Excitation wavelength independent sensitized Er <sup>3+</sup> concentration in as-deposited and low temperature annealed Si-rich SiO <sub>2</sub> films. Applied Physics Letters, 2009, 95, .	3.3	8
17	Observation of temperature-independent internal Er <sup>3+</sup> relaxation efficiency in Si-rich SiO <sub>2</sub> films. Applied Physics Letters, 2009, 94, 241115.	3.3	14
18	Multilevel sensitization of Er <sup>3+</sup> in low-temperature-annealed silicon-rich SiO <sub>2</sub> . Applied Physics Letters, 2008, 93, 233120.	3.3	16

#	ARTICLE	IF	CITATIONS
19	Free-space to plasmon waveguide coupling. , 2008, , .		0
20	Surface Plasmon Mediated Optical Limiting in Dilute Metallodielectric Systems. Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS, 2007, , .	0.0	0