

A Femius Koenderink

List of Publications by Citations

Source: <https://exaly.com/author-pdf/7955422/a-femius-koenderink-publications-by-citations.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

145
papers

6,100
citations

44
h-index

74
g-index

157
ext. papers

7,012
ext. citations

6.7
avg, IF

6.53
L-index

#	Paper	IF	Citations
145	Nanophotonics: shrinking light-based technology. <i>Science</i> , 2015 , 348, 516-21	33.3	356
144	Plasmon-enhanced luminescence near noble-metal nanospheres: Comparison of exact theory and an improved Gersten and Nitzan model. <i>Physical Review B</i> , 2007 , 76,	3.3	273
143	On the use of Purcell factors for plasmon antennas. <i>Optics Letters</i> , 2010 , 35, 4208-10	3	255
142	Electric and magnetic dipole coupling in near-infrared split-ring metamaterial arrays. <i>Physical Review Letters</i> , 2009 , 103, 213902	7.4	185
141	Experimental observation of a polarization vortex at an optical bound state in the continuum. <i>Nature Photonics</i> , 2018 , 12, 397-401	33.9	171
140	Complex response and polariton-like dispersion splitting in periodic metal nanoparticle chains. <i>Physical Review B</i> , 2006 , 74,	3.3	167
139	Single-Photon Nanoantennas. <i>ACS Photonics</i> , 2017 , 4, 710-722	6.3	165
138	Directional emission from plasmonic Yagi-Uda antennas probed by angle-resolved cathodoluminescence spectroscopy. <i>Nano Letters</i> , 2011 , 11, 3779-84	11.5	155
137	Directional emission from a single plasmonic scatterer. <i>Nature Communications</i> , 2014 , 5, 3250	17.4	136
136	Plasmon nanoparticle array waveguides for single photon and single plasmon sources. <i>Nano Letters</i> , 2009 , 9, 4228-33	11.5	136
135	Spatially resolved observation of dipole-dipole interaction between Rydberg atoms. <i>Physical Review Letters</i> , 2008 , 100, 243201	7.4	120
134	Local density of states, spectrum, and far-field interference of surface plasmon polaritons probed by cathodoluminescence. <i>Physical Review B</i> , 2009 , 79,	3.3	118
133	Optical extinction due to intrinsic structural variations of photonic crystals. <i>Physical Review B</i> , 2005 , 72,	3.3	115
132	Delayed Exciton Emission and Its Relation to Blinking in CdSe Quantum Dots. <i>Nano Letters</i> , 2015 , 15, 7718-25	11.5	113
131	Lasing at the band edges of plasmonic lattices. <i>Physical Review B</i> , 2014 , 90,	3.3	113
130	Plasmonic antennas hybridized with dielectric waveguides. <i>ACS Nano</i> , 2012 , 6, 10156-67	16.7	110
129	Tunable Nanoscale Localization of Energy on Plasmon Particle Arrays. <i>Nano Letters</i> , 2007 , 7, 2004-2008	11.5	103

128	Controlling the resonance of a photonic crystal microcavity by a near-field probe. <i>Physical Review Letters</i> , 2005 , 95, 153904	7.4	103
127	Broadband fivefold reduction of vacuum fluctuations probed by dyes in photonic crystals. <i>Physical Review Letters</i> , 2002 , 88, 143903	7.4	99
126	Magnetolectric point scattering theory for metamaterial scatterers. <i>Physical Review B</i> , 2011 , 83,	3.3	97
125	Scanning emitter lifetime imaging microscopy for spontaneous emission control. <i>Physical Review Letters</i> , 2011 , 107, 123602	7.4	89
124	Signature of a Fano resonance in a plasmonic metamolecule's local density of optical states. <i>Physical Review Letters</i> , 2012 , 108, 077404	7.4	88
123	Light exiting from real photonic band gap crystals is diffuse and strongly directional. <i>Physical Review Letters</i> , 2003 , 91, 213902	7.4	83
122	Ultrafast switching of photonic density of states in photonic crystals. <i>Physical Review B</i> , 2002 , 66,	3.3	81
121	Modified spontaneous emission spectra of laser dye in inverse opal photonic crystals. <i>Physical Review A</i> , 2000 , 63,	2.6	80
120	Strongly nonexponential time-resolved fluorescence of quantum-dot ensembles in three-dimensional photonic crystals. <i>Physical Review B</i> , 2007 , 75,	3.3	79
119	Light-emitting metasurfaces. <i>Nanophotonics</i> , 2019 , 8, 1151-1198	6.3	78
118	Antenna-Cavity Hybrids: Matching Polar Opposites for Purcell Enhancements at Any Linewidth. <i>ACS Photonics</i> , 2016 , 3, 1943-1951	6.3	72
117	High-Index Dielectric Metasurfaces Performing Mathematical Operations. <i>Nano Letters</i> , 2019 , 19, 8418-8423	8.4	71
116	Ubiquity of optical activity in planar metamaterial scatterers. <i>Physical Review Letters</i> , 2012 , 108, 223903	7.4	70
115	Suitability of nanodiamond nitrogen-vacancy centers for spontaneous emission control experiments. <i>New Journal of Physics</i> , 2013 , 15, 043017	2.9	67
114	Enhanced backscattering from photonic crystals. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2000 , 268, 104-111	2.3	63
113	Reduced Auger recombination in single CdSe/CdS nanorods by one-dimensional electron delocalization. <i>Nano Letters</i> , 2013 , 13, 4884-92	11.5	62
112	Polarization, microscopic origin, and mode structure of luminescence and lasing from single ZnO nanowires. <i>Nano Letters</i> , 2009 , 9, 3515-20	11.5	60
111	Spin-Dependent Emission from Arrays of Planar Chiral Nanoantennas Due to Lattice and Localized Plasmon Resonances. <i>ACS Nano</i> , 2016 , 10, 3389-97	16.7	57

110	Angle-Resolved Cathodoluminescence Imaging Polarimetry. <i>ACS Photonics</i> , 2016 , 3, 147-154	6.3	55
109	Plasmonic band structure controls single-molecule fluorescence. <i>ACS Nano</i> , 2013 , 7, 8840-8	16.7	55
108	Experimental evidence for large dynamic effects on the plasmon dispersion of subwavelength metal nanoparticle waveguides. <i>Physical Review B</i> , 2007 , 76,	3.3	55
107	Spontaneous emission rates of dipoles in photonic crystal membranes. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2006 , 23, 1196	1.7	50
106	Trapping Light in Plain Sight: Embedded Photonic Eigenstates in Zero-Index Metamaterials. <i>Laser and Photonics Reviews</i> , 2018 , 12, 1700220	8.3	46
105	Optical properties of real photonic crystals: anomalous diffuse transmission. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2005 , 22, 1075	1.7	46
104	Fourier microscopy of single plasmonic scatterers. <i>New Journal of Physics</i> , 2011 , 13, 083019	2.9	45
103	Orientation-dependent spontaneous emission rates of a two-level quantum emitter in any nanophotonic environment. <i>Physical Review A</i> , 2009 , 80,	2.6	45
102	Statistics of Randomized Plasmonic Lattice Lasers. <i>ACS Photonics</i> , 2015 , 2, 1289-1297	6.3	44
101	Coherent single-photon absorption by single emitters coupled to one-dimensional nanophotonic waveguides. <i>New Journal of Physics</i> , 2011 , 13, 103010	2.9	44
100	Polarizability tensor retrieval for magnetic and plasmonic antenna design. <i>New Journal of Physics</i> , 2013 , 15, 073023	2.9	43
99	Dynamics of Intraband and Interband Auger Processes in Colloidal Core-Shell Quantum Dots. <i>ACS Nano</i> , 2015 , 9, 10366-76	16.7	39
98	Breaking the symmetry of forward-backward light emission with localized and collective magnetoelectric resonances in arrays of pyramid-shaped aluminum nanoparticles. <i>Physical Review Letters</i> , 2014 , 113, 247401	7.4	39
97	Programmable nanolithography with plasmon nanoparticle arrays. <i>Nano Letters</i> , 2007 , 7, 745-9	11.5	39
96	Lasing in quasi-periodic and aperiodic plasmon lattices. <i>Optica</i> , 2016 , 3, 686	8.6	37
95	Optical properties of two-dimensional magnetoelectric point scattering lattices. <i>Physical Review B</i> , 2013 , 88,	3.3	37
94	Controlling crystallization to imprint nanophotonic structures into halide perovskites using soft lithography. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 8301-8307	7.1	37
93	Emission Spectra and Lifetimes of R6G Dye on Silica-Coated Titania Powder. <i>Langmuir</i> , 2002 , 18, 2444-2447	4.7	35

92	K-space polarimetry of bullseye plasmon antennas. <i>Scientific Reports</i> , 2015 , 5, 9966	4.9	34
91	Underpinning Hybridization Intuition for Complex Nanoantennas by Magnetoelectric Quadrupolar Polarizability Retrieval. <i>ACS Photonics</i> , 2014 , 1, 444-453	6.3	33
90	Spontaneous emission in the near field of two-dimensional photonic crystals. <i>Optics Letters</i> , 2005 , 30, 3210-2	3	33
89	Near-field imaging and frequency tuning of a high-Q photonic crystal membrane microcavity. <i>Optics Express</i> , 2007 , 15, 17214-20	3.3	32
88	Accurate calculation of the local density of optical states in inverse-opal photonic crystals. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009 , 26, 987	1.7	30
87	Enhanced absorption and emission of Y ₃ Al ₅ O ₁₂ :Ce ³⁺ thin layers prepared by epoxide-catalyzed sol-gel method. <i>Optical Materials Express</i> , 2012 , 2, 1111	2.6	29
86	An experimental study of strongly modified emission in inverse opal photonic crystals. <i>Physica Status Solidi A</i> , 2003 , 197, 648-661		29
85	Perfect Absorption and Phase Singularities in Plasmon Antenna Array Etalons. <i>ACS Photonics</i> , 2019 , 6, 2917-2925	6.3	28
84	Mapping complex mode volumes with cavity perturbation theory. <i>Optica</i> , 2019 , 6, 269	8.6	28
83	Superresolution imaging of the local density of states in plasmon lattices. <i>Optica</i> , 2016 , 3, 289	8.6	27
82	Spontaneous emission control in a tunable hybrid photonic system. <i>Physical Review Letters</i> , 2013 , 110, 217405	7.4	26
81	Calibrating and controlling the quantum efficiency distribution of inhomogeneously broadened quantum rods by using a mirror ball. <i>ACS Nano</i> , 2013 , 7, 5984-92	16.7	25
80	General point dipole theory for periodic metasurfaces: magnetoelectric scattering lattices coupled to planar photonic structures. <i>Optics Express</i> , 2017 , 25, 21358-21378	3.3	25
79	Superemitters in hybrid photonic systems: A simple lumping rule for the local density of optical states and its breakdown at the unitary limit. <i>Physical Review B</i> , 2012 , 86,	3.3	24
78	Hybrid cavity-antenna systems for quantum optics outside the cryostat?. <i>Nanophotonics</i> , 2019 , 8, 1513-1631		23
77	From weak to strong coupling of localized surface plasmons to guided modes in a luminescent slab. <i>Physical Review B</i> , 2014 , 90,	3.3	23
76	Perturbing Open Cavities: Anomalous Resonance Frequency Shifts in a Hybrid Cavity-Nanoantenna System. <i>Physical Review Letters</i> , 2015 , 115, 203904	7.4	22
75	Attosecond streaking in a nano-plasmonic field. <i>New Journal of Physics</i> , 2012 , 14, 093034	2.9	22

74	Non-blinking single-photon emitters in silica. <i>Scientific Reports</i> , 2016 , 6, 21187	4.9	22
73	Diffractive stacks of metamaterial lattices with a complex unit cell: Self-consistent long-range bianisotropic interactions in experiment and theory. <i>Physical Review B</i> , 2014 , 89,	3.3	21
72	Plasmonic phase-gradient metasurface for spontaneous emission control. <i>Physical Review B</i> , 2015 , 92,	3.3	21
71	Nanoscale Excitation Mapping of Plasmonic Patch Antennas. <i>ACS Photonics</i> , 2014 , 1, 1134-1143	6.3	21
70	Systematic study of the hybrid plasmonic-photonic band structure underlying lasing action of diffractive plasmon particle lattices. <i>Physical Review B</i> , 2017 , 95,	3.3	20
69	Cooperative interactions between nano-antennas in a high-Q cavity for unidirectional light sources. <i>Light: Science and Applications</i> , 2019 , 8, 115	16.7	19
68	Gray-Tone Lithography Implementation of Drexhage Method for Calibrating Radiative and Nonradiative Decay Constants of Fluorophores. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 16666-16673	3.8	18
67	Nanomechanical method to gauge emission quantum yield applied to nitrogen-vacancy centers in nanodiamond. <i>Applied Physics Letters</i> , 2013 , 102, 121105	3.4	18
66	Controlling Optically Driven Atomic Migration Using Crystal-Facet Control in Plasmonic Nanocavities. <i>ACS Nano</i> , 2020 , 14, 10562-10568	16.7	18
65	Broadband highly directive 3D nanophotonic lenses. <i>Nature Communications</i> , 2018 , 9, 4742	17.4	18
64	Dispersion of guided modes in two-dimensional split ring lattices. <i>Physical Review B</i> , 2014 , 90,	3.3	17
63	Lattice Resonances in Optical Metasurfaces With Gain and Loss. <i>Proceedings of the IEEE</i> , 2020 , 108, 795-813	11.3	17
62	The local density of optical states of a metasurface. <i>Scientific Reports</i> , 2016 , 6, 20655	4.9	16
61	Probing the electrodynamic local density of states with magnetoelectric point scatterers. <i>Physical Review B</i> , 2013 , 87,	3.3	16
60	Simple model for plasmon enhanced fluorescence correlation spectroscopy. <i>Optics Express</i> , 2014 , 22, 15397-409	3.3	15
59	Near-field optics and control of photonic crystals. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2005 , 3, 63-74	2.6	15
58	Observation of Cooperative Purcell Enhancements in Antenna-Cavity Hybrids. <i>ACS Nano</i> , 2020 , 14, 12027-12036	16.7	15
57	Angle-Resolved Polarimetry of Antenna-Mediated Fluorescence. <i>Physical Review Applied</i> , 2015 , 4,	4.3	14

56	Wavelength-selective addressing of visible and near-infrared plasmon resonances for SU8 nanolithography. <i>Optics Express</i> , 2011 , 19, 11405-14	3.3	14
55	Dynamically reconfigurable directionality of plasmon-based single photon sources. <i>Physical Review B</i> , 2010 , 82,	3.3	14
54	Quantifying single plasmonic nanostructure far-fields with interferometric and polarimetric k-space microscopy. <i>Light: Science and Applications</i> , 2018 , 7, 65	16.7	14
53	Broadband light scattering and photoluminescence enhancement from plasmonic Vogel's golden spirals. <i>Laser and Photonics Reviews</i> , 2017 , 11, 1600235	8.3	13
52	Nano-Optomechanical Characterization and Manipulation of Photonic Crystals. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2007 , 13, 253-261	3.8	13
51	Simultaneous Photonic and Excitonic Coupling in Spherical Quantum Dot Supercrystals. <i>ACS Nano</i> , 2020 , 14, 13806-13815	16.7	13
50	High Internal Emission Efficiency of Silicon Nanoparticles Emitting in the Visible Range. <i>ACS Photonics</i> , 2018 , 5, 2129-2136	6.3	12
49	Controlling Nanoantenna Polarizability through Backaction via a Single Cavity Mode. <i>Physical Review Letters</i> , 2018 , 120, 206101	7.4	11
48	Backaction in metasurface etalons. <i>Physical Review B</i> , 2016 , 93,	3.3	10
47	Drexhage's Experiment for Sound. <i>Physical Review Letters</i> , 2016 , 116, 224301	7.4	10
46	Energy-resolved plasmonic chemistry in individual nanoreactors. <i>Nature Nanotechnology</i> , 2021 ,	28.7	10
45	Generation of Pure OAM Beams with a Single State of Polarization by Antenna-Decorated Microdisk Resonators. <i>ACS Photonics</i> , 2020 , 7, 3049-3060	6.3	10
44	Fractional decay of quantum dots in real photonic crystals. <i>Optics Letters</i> , 2008 , 33, 1557-9	3	9
43	Quasi-periodically forced nonlinear Helmholtz oscillators. <i>Physica D: Nonlinear Phenomena</i> , 2002 , 164, 1-27	3.3	9
42	Plasmon Nanocavity Array Lasers: Cooperating over Losses and Competing for Gain. <i>ACS Nano</i> , 2019 , 13, 7377-7382	16.7	8
41	Directional sideward emission from luminescent plasmonic nanostructures. <i>Optics Express</i> , 2016 , 24, A388-96	3.3	8
40	Broadband coherent backscattering spectroscopy of the interplay between order and disorder in three-dimensional opal photonic crystals. <i>Physical Review B</i> , 2011 , 83,	3.3	8
39	A simple transfer-matrix model for metasurface multilayer systems. <i>Nanophotonics</i> , 2020 , 9, 3985-4007	6.3	8

38	Simultaneous position and state measurement of Rydberg atoms. <i>European Physical Journal D</i> , 2006 , 40, 13-17	1.3	7
37	A standing-wave meter to measure dispersion and loss of photonic-crystal waveguides. <i>Applied Physics Letters</i> , 2005 , 87, 2611-10	3.4	7
36	Spatial Intensity Distribution in Plasmonic Particle Array Lasers. <i>Physical Review Applied</i> , 2019 , 11,	4.3	6
35	Angular Redistribution of Near-Infrared Emission from Quantum Dots in Three-Dimensional Photonic Crystals. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 3431-3439	3.8	6
34	Transmission of coherent phonons through a metallic multilayer. <i>Physical Review B</i> , 2001 , 64,	3.3	6
33	Diffraction of coherent phonons emitted by a grating. <i>Physical Review B</i> , 1999 , 60, 14719-14723	3.3	6
32	Super-Resolution without Imaging: Library-Based Approaches Using Near-to-Far-Field Transduction by a Nanophotonic Structure. <i>ACS Photonics</i> , 2020 , 7, 3246-3256	6.3	5
31	Nano-antenna enhanced two-focus fluorescence correlation spectroscopy. <i>Scientific Reports</i> , 2017 , 7, 5985	4.9	5
30	Hybrid Photonic-Plasmonic Cavities based on the Nanoparticle-on-a-Mirror Configuration. <i>Photonics Research</i> ,	6	5
29	Nanoscale lithographic positioning of fluorescing quantum dot nanocrystals on planar samples. <i>Optical Materials</i> , 2013 , 35, 1342-1347	3.3	4
28	Robustness of plasmon phased array nanoantennas to disorder. <i>Scientific Reports</i> , 2015 , 5, 10911	4.9	4
27	Experimental Probes of the Optical Properties of Photonic Crystals 2001 , 191-218		4
26	Strong Coupling to Generate Complex Birefringence: Metasurface in the Middle Etalons. <i>ACS Photonics</i> , 2020 , 7, 2799-2806	6.3	4
25	Dendritic optical antennas: scattering properties and fluorescence enhancement. <i>Scientific Reports</i> , 2017 , 7, 6223	4.9	3
24	Gain-induced scattering anomalies of diffractive metasurfaces. <i>Nanophotonics</i> , 2020 , 9, 4273-4285	6.3	3
23	Directed Emission from Self-Assembled Microhelices. <i>Advanced Functional Materials</i> , 2020 , 30, 1908218	15.6	3
22	Pseudochirality at exceptional rings of optical metasurfaces. <i>Physical Review Research</i> , 2021 , 3,	3.9	3
21	Band-Gap Tunability in Partially Amorphous Silicon Nanoparticles Using Single-Dot Correlative Microscopy. <i>ACS Applied Nano Materials</i> , 2021 , 4, 288-296	5.6	3

20	Optical Antennas. <i>International Journal of Optics</i> , 2012 , 2012, 1-4	0.9	2
19	Over 65% sunlight absorption in a 1 μ m Si slab with hyperuniform texture		2
18	Photon Recycling in CsPbBr All-Inorganic Perovskite Nanocrystals. <i>ACS Photonics</i> , 2021 , 8, 3201-3208	6.3	2
17	Metal Nanoparticles for Microscopy and Spectroscopy 2014 , 53-98		2
16	Uncertainty Estimation and Design Optimization of 2D Diffraction-Based Overlay Metrology Targets. <i>ACS Photonics</i> , 2020 , 7, 2765-2777	6.3	2
15	Localizing nanoscale objects using nanophotonic near-field transducers. <i>Nanophotonics</i> , 2021 , 10, 1723-1732	6.3	2
14	Intermittency of CsPbBr Perovskite Quantum Dots Analyzed by an Unbiased Statistical Analysis. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 12061-12072	3.8	2
13	A Python Toolbox for Unbiased Statistical Analysis of Fluorescence Intermittency of Multilevel Emitters. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 12050-12060	3.8	2
12	Programming Metasurface Near-Fields for Nano-Optical Sensing. <i>Advanced Optical Materials</i> , 2021 , 9, 2100435	8.1	2
11	Spatial coherence control and analysis via micromirror-based mixed-state ptychography. <i>New Journal of Physics</i> , 2021 , 23, 053016	2.9	2
10	Exact Analysis of Nanoantenna Enhanced Fluorescence Correlation Spectroscopy at a Mie Sphere. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 13684-13692	3.8	1
9	Nanophotonic compressed sensing with small dipole arrays 2020 ,		1
8	Integrated Molecular Optomechanics with Hybrid Dielectric-Metallic Resonators.. <i>ACS Photonics</i> , 2021 , 8, 3506-3516	6.3	1
7	Plasmon antenna array patchwork lasers towards low etendue, speckle free light sources. <i>OSA Continuum</i> , 2019 , 2, 1982	1.4	1
6	Super-resolution imaging: when biophysics meets nanophotonics. <i>Nanophotonics</i> , 2022 , 11, 169-202	6.3	1
5	Double moiré localized plasmon structured illumination microscopy. <i>Nanophotonics</i> , 2021 , 10, 1107-1121	6.3	0
4	Calibration-based overlay sensing with minimal-footprint targets. <i>Applied Physics Letters</i> , 2021 , 119, 1111104	10.4	0
3	Over 65% Sunlight Absorption in a 1 μ m Si Slab with Hyperuniform Texture.. <i>ACS Photonics</i> , 2022 , 9, 1206-1217	6.3	0

- 2 Plasmon Particle Array Lasers. *Springer Series in Solid-state Sciences*, **2017**, 165-190 0.4
- 1 Phase-retrieval Fourier microscopy of partially temporally coherent nanoantenna radiation patterns. *Optics Express*, **2020**, 28, 37844-37859 3.3