

# Xavier Quelin

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9790860/publications.pdf>

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26  
papers

1,002  
citations

1040056

9  
h-index

677142

22  
g-index

26  
all docs

26  
docs citations

26  
times ranked

1641  
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards non-blinking colloidal quantum dots. Nature Materials, 2008, 7, 659-664.	27.5	764
2	Nonclassical emission from single colloidal nanocrystals in a microcavity: a route towards room temperature single photon sources. New Journal of Physics, 2009, 11, 033025.	2.9	29
3	Non-Blinking Semiconductor Colloidal Quantum Dots for Biology, Optoelectronics and Quantum Optics. ChemPhysChem, 2009, 10, 879-882.	2.1	29
4	Direct observation of locally enhanced electromagnetic field. Physica B: Condensed Matter, 2000, 279, 52-55.	2.7	28
5	FDTD simulations of localization and enhancements on fractal plasmonics nanostructures. Optics Express, 2012, 20, 11968.	3.4	27
6	Polarization dependent near-field speckle of random gold films. Physical Review B, 2008, 77, .	3.2	25
7	High Directional Radiation of Single Photon Emission in a Dielectric Antenna. ACS Photonics, 2019, 6, 3024-3031.	6.6	15
8	Colloidal Quantum Dot Integrated Light Sources for Plasmon Mediated Photonic Waveguide Excitation. ACS Photonics, 2016, 3, 844-852.	6.6	14
9	Local field enhancements on gold and silver nanostructures for aperture near field spectroscopy. Journal of Luminescence, 2007, 127, 176-180.	3.1	11
10	Photostability and long-term preservation of a colloidal semiconductor-based single photon emitter in polymeric photonic structures. Nanoscale Advances, 2019, 1, 3225-3231.	4.6	10
11	Suppression of grey state and optimization of the single photon emission of a colloidal semiconductor at room temperature. Applied Physics Letters, 2018, 113, .	3.3	7
12	Spatially uniform enhancement of single quantum dot emission using plasmonic grating decoupler. Scientific Reports, 2015, 5, 16796.	3.3	6
13	Surface plasmon polariton beams from an electrically excited plasmonic crystal. Optics Express, 2016, 24, 26186.	3.4	6
14	Fluorescence properties of self assembled colloidal supraparticles from CdSe/CdS/ZnS nanocrystals. New Journal of Physics, 2020, 22, 113026.	2.9	6
15	Room temperature single-photon sources based on single colloidal nanocrystals in microcavities. Superlattices and Microstructures, 2010, 47, 187-191.	3.1	5
16	Toward non-blinking quantum dots: the effect of thick shell. , 2009, , .		4
17	Controllable movement of single-photon source in multifunctional magneto-photonic structures. Scientific Reports, 2020, 10, 4843.	3.3	4
18	Scanning the plasmonic properties of a nanohole array with a single nanocrystal near-field probe. Nanophotonics, 2020, 9, 793-801.	6.0	3

#	ARTICLE	IF	CITATIONS
19	Influence of the cluster's size of random gold nanostructures on the fluorescence of single CdSe/CdS nanocrystals. Gold Bulletin, 2013, 46, 329-334.	2.4	2
20	Förster resonance energy transfer between individual semiconductor nanocrystals and an InP film. Journal of Nanophotonics, 2016, 10, 046014.	1.0	2
21	From scattering regime to strong localization: a statistical analysis of the near-field intensity on random gold films. Journal of Nanophotonics, 2013, 7, 073589.	1.0	1
22	3D vector distribution of the electro-magnetic fields on a random gold film. Optics Communications, 2018, 414, 113-118.	2.1	1
23	Coupling of a single photon source based on a colloidal semiconductor nanocrystal into polymer-based photonic structures. , 2018, , .		1
24	Mask lithography of 2D fluorescent magneto-photonic microstructures for biomedical and quantum applications. , 2019, , .		1
25	Probing the hot spot properties of semicontinuous gold films through the fluorescence polarization of CdSe/CdS colloidal nanocrystals. Journal of Nanophotonics, 2017, 11, 1.	1.0	1
26	Localized plasmon-enhanced optical response: harmonic generation and polarization effects. , 2001, 4467, 288.		0