

# Piernicola Spinicelli

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

2,522  
citations

430874

18  
h-index

713466

21  
g-index

25  
all docs

25  
docs citations

25  
times ranked

3649  
citing authors

#	ARTICLE	IF	CITATIONS
1	Production of bulk NV centre arrays by shallow implantation and diamond CVD overgrowth. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016, 213, 2594-2600.	1.8	21
2	Temporary Charge Carrier Separation Dominates the Photoluminescence Decay Dynamics of Colloidal CdSe Nanoplatelets. <i>Nano Letters</i> , 2016, 16, 2047-2053.	9.1	103
3	Gradient CdSe/CdS Quantum Dots with Room Temperature Biexciton Unity Quantum Yield. <i>Nano Letters</i> , 2015, 15, 3953-3958.	9.1	143
4	Non-blinking quantum dot with a plasmonic nanoshell resonator. <i>Nature Nanotechnology</i> , 2015, 10, 170-175.	31.5	170
5	Efficient Exciton Concentrators Built from Colloidal Core/Crown CdSe/CdS Semiconductor Nanoplatelets. <i>Nano Letters</i> , 2014, 14, 207-213.	9.1	224
6	Single KTP nanocrystals as second-harmonic generation biolabels in cortical neurons. <i>Nanoscale</i> , 2013, 5, 8466.	5.6	37
7	Maskless and targeted creation of arrays of colour centres in diamond using focused ion beam technology. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2013, 210, 2055-2059.	1.8	47
8	Magnetic-field-dependent photodynamics of single NV defects in diamond: an application to qualitative all-optical magnetic imaging. <i>New Journal of Physics</i> , 2012, 14, 103033.	2.9	242
9	Nanoscale magnetic field mapping with a single spin scanning probe magnetometer. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	177
10	Diamond based light-emitting diode for visible single-photon emission at room temperature. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	85
11	Room temperature single-photon sources based on single colloidal nanocrystals in microcavities. <i>Superlattices and Microstructures</i> , 2010, 47, 187-191.	3.1	5
12	Dots in rods as polarized single photon sources. <i>Superlattices and Microstructures</i> , 2010, 47, 165-169.	3.1	37
13	Evaluation of oscillator strength in colloidal CdSe/CdS dots-in-rods. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2010, 7, 2688-2691.	0.8	8
14	Room temperature-dipolelike single photon source with a colloidal dot-in-rod. <i>Applied Physics Letters</i> , 2010, 96, 033101.	3.3	75
15	Controlled modification of single colloidal CdSe/ZnS nanocrystal fluorescence through interactions with a gold surface. <i>Optics Express</i> , 2010, 18, 7440.	3.4	40
16	Optimized single photons sources through interaction of colloidal CdSe/ZnS quantum dots with gold surface plasmons. , 2009, , .		0
17	Emission spectrum and spectral diffusion of a single CdSe/ZnS nanocrystal probed by photon-correlation Fourier spectroscopy (PCFS). , 2009, , .		0
18	Nonclassical emission from single colloidal nanocrystals in a microcavity: a route towards room temperature single photon sources. <i>New Journal of Physics</i> , 2009, 11, 033025.	2.9	29

#	ARTICLE	IF	CITATIONS
19	Non-Blinking Semiconductor Colloidal Quantum Dots for Biology, Optoelectronics and Quantum Optics. ChemPhysChem, 2009, 10, 879-882.	2.1	29
20	Quantum cascades of photons in colloidal core-shell quantum dots. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 114003.	1.5	4
21	Polarized single photon emission for quantum cryptography based on colloidal nanocrystals. , 2009, , .		3
22	Bright and Grey States in CdSe-CdS Nanocrystals Exhibiting Strongly Reduced Blinking. Physical Review Letters, 2009, 102, 136801.	7.8	252
23	Toward non-blinking quantum dots: the effect of thick shell. , 2009, , .		4
24	Towards non-blinking colloidal quantum dots. Nature Materials, 2008, 7, 659-664.	27.5	764
25	Measurement of the working parameters of an air-post vertical-cavity surface-emitting laser. IEEE Journal of Quantum Electronics, 2005, 41, 1235-1243.	1.9	23