

Piernicola Spinicelli

List of Publications by Year in descending order

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25
papers

2,522
citations

430874

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713466

21
g-index

25
all docs

25
docs citations

25
times ranked

3649
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards non-blinking colloidal quantum dots. Nature Materials, 2008, 7, 659-664.	27.5	764
2	Bright and Grey States in CdSe-CdS Nanocrystals Exhibiting Strongly Reduced Blinking. Physical Review Letters, 2009, 102, 136801.	7.8	252
3	Magnetic-field-dependent photodynamics of single NV defects in diamond: an application to qualitative all-optical magnetic imaging. New Journal of Physics, 2012, 14, 103033.	2.9	242
4	Efficient Exciton Concentrators Built from Colloidal Core/Crown CdSe/CdS Semiconductor Nanoplatelets. Nano Letters, 2014, 14, 207-213.	9.1	224
5	Nanoscale magnetic field mapping with a single spin scanning probe magnetometer. Applied Physics Letters, 2012, 100, .	3.3	177
6	Non-blinking quantum dot with a plasmonic nanoshell resonator. Nature Nanotechnology, 2015, 10, 170-175.	31.5	170
7	Gradient CdSe/CdS Quantum Dots with Room Temperature Biexciton Unity Quantum Yield. Nano Letters, 2015, 15, 3953-3958.	9.1	143
8	Temporary Charge Carrier Separation Dominates the Photoluminescence Decay Dynamics of Colloidal CdSe Nanoplatelets. Nano Letters, 2016, 16, 2047-2053.	9.1	103
9	Diamond based light-emitting diode for visible single-photon emission at room temperature. Applied Physics Letters, 2011, 99, .	3.3	85
10	Room temperature-dipolelike single photon source with a colloidal dot-in-rod. Applied Physics Letters, 2010, 96, 033101.	3.3	75
11	Maskless and targeted creation of arrays of colour centres in diamond using focused ion beam technology. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 2055-2059.	1.8	47
12	Controlled modification of single colloidal CdSe/ZnS nanocrystal fluorescence through interactions with a gold surface. Optics Express, 2010, 18, 7440.	3.4	40
13	Dots in rods as polarized single photon sources. Superlattices and Microstructures, 2010, 47, 165-169.	3.1	37
14	Single KTP nanocrystals as second-harmonic generation biolabels in cortical neurons. Nanoscale, 2013, 5, 8466.	5.6	37
15	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
16	Non-Blinking Semiconductor Colloidal Quantum Dots for Biology, Optoelectronics and Quantum Optics. ChemPhysChem, 2009, 10, 879-882.	2.1	29
17	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
18	Production of bulk NV centre arrays by shallow implantation and diamond CVD overgrowth. Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 2594-2600.	1.8	21

#	ARTICLE	IF	CITATIONS
19	Evaluation of oscillator strength in colloidal CdSe/CdS dotsâ€™nâ€™rods. Physica Status Solidi C: Current Topics in Solid State Physics, 2010, 7, 2688-2691.	0.8	8
20	Room temperature single-photon sources based on single colloidal nanocrystals in microcavities. Superlattices and Microstructures, 2010, 47, 187-191.	3.1	5
21	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
22	Toward non-blinking quantum dots: the effect of thick shell. , 2009, , .		4
23	Polarized single photon emission for quantum cryptography based on colloidal nanocrystals. , 2009, , .		3
24	Optimized single photons sources through interaction of colloidal CdSe/ZnS quantum dots with gold surface plasmons. , 2009, , .		0
25	Emission spectrum and spectral diffusion of a single CdSe/ZnS nanocrystal probed by photon-correlation Fourier spectroscopy (PCFS). , 2009, , .		0