

# Dario Buso

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

1,506  
citations

471509

17  
h-index

610901

24  
g-index

27  
all docs

27  
docs citations

27  
times ranked

2567  
citing authors

#	ARTICLE	IF	CITATIONS
1	Using Functional Nano- and Microparticles for the Preparation of Metal-Organic Framework Composites with Novel Properties. <i>Accounts of Chemical Research</i> , 2014, 47, 396-405.	15.6	264
2	A new method to position and functionalize metal-organic framework crystals. <i>Nature Communications</i> , 2011, 2, 237.	12.8	225
3	Gold Nanoparticle-Doped TiO <sub>2</sub> Semiconductor Thin Films: Gas Sensing Properties. <i>Advanced Functional Materials</i> , 2008, 18, 3843-3849.	14.9	199
4	Highly Luminescent Metal-Organic Frameworks Through Quantum Dot Doping. <i>Small</i> , 2012, 8, 80-88.	10.0	132
5	Patterning Techniques for Metal Organic Frameworks. <i>Advanced Materials</i> , 2012, 24, 3153-3168.	21.0	111
6	Fast Synthesis of MOF-5 Microcrystals Using Sol-Gel SiO <sub>2</sub> Nanoparticles. <i>Chemistry of Materials</i> , 2011, 23, 929-934.	6.7	106
7	Dynamic Control of MOF-5 Crystal Positioning Using a Magnetic Field. <i>Advanced Materials</i> , 2011, 23, 3901-3906.	21.0	64
8	Magnetic framework composites for polycyclic aromatic hydrocarbon sequestration. <i>Journal of Materials Chemistry</i> , 2012, 22, 11470.	6.7	62
9	PbS-Doped Mesostructured Silica Films with High Optical Nonlinearity. <i>Chemistry of Materials</i> , 2005, 17, 4965-4970.	6.7	52
10	Self-assembled gold nanoparticle monolayers in sol-gel matrices: synthesis and gas sensing applications. <i>Journal of Materials Chemistry</i> , 2009, 19, 2051.	6.7	44
11	Nanostructured sol-gel silica thin films doped with NiO and SnO <sub>2</sub> for gas sensing applications. <i>Journal of Materials Chemistry</i> , 2004, 14, 2889-2895.	6.7	43
12	Highly Nonlinear Quantum Dot Doped Nanocomposites for Functional Three-Dimensional Structures Generated by Two-Photon Polymerization. <i>Advanced Materials</i> , 2010, 22, 2463-2467.	21.0	32
13	Optimized Electroless Silver Coating for Optical and Plasmonic Applications. <i>Plasmonics</i> , 2012, 7, 633-639.	3.4	32
14	Growth of Cookie-like Au/NiO Nanoparticles in SiO <sub>2</sub> Sol-Gel Films and Their Optical Gas Sensing Properties. <i>Crystal Growth and Design</i> , 2008, 8, 744-749.	3.0	25
15	Three-dimensional hybrid photonic crystals merged with localized plasmon resonances. <i>Optics Express</i> , 2010, 18, 4491.	3.4	23
16	Chemical Tailoring of Hybrid Sol-Gel Thick Coatings As Hosting Matrix for Functional Patterned Microstructures. <i>ACS Applied Materials &amp; Interfaces</i> , 2011, 3, 245-251.	8.0	22
17	Complete Characterization of $\pm$ -Hopeite Microparticles: An Ideal Nucleation Seed for Metal Organic Frameworks. <i>Crystal Growth and Design</i> , 2011, 11, 5268-5274.	3.0	19
18	Gold nanoparticles to boost the gas sensing performance of porous sol-gel thin films. <i>Journal of Sol-Gel Science and Technology</i> , 2011, 60, 366-377.	2.4	15

#	ARTICLE	IF	CITATIONS
19	Engineering the refractive index of three-dimensional photonic crystals through multilayer deposition of CdS films. Optics Express, 2010, 18, 1033.	3.4	9
20	Influence of the relative humidity on aminosilane molecular grafting properties. Journal of Sol-Gel Science and Technology, 2011, 60, 246-253.	2.4	3
21	Active three-dimensional photonic crystals with high third-order nonlinearity in telecommunication. , 2009, , .		1
22	Amino Functionalized SiO <sub>2</sub> nanoparticles for seeding MOF-5. IOP Conference Series: Materials Science and Engineering, 2011, 18, 052006.	0.6	1
23	Functional three-dimensional nonlinear nanostructures in a gold ion nanocomposite. , 2011, , .		0