

# Petra Lommens

## List of Publications by Year in descending order

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17  
papers

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1040056

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docs citations

17  
times ranked

449  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dopant Incorporation in Colloidal Quantum Dots: A Case Study on Co <sup>2+</sup> Doped ZnO. Chemistry of Materials, 2007, 19, 5576-5583.	6.7	60
2	The Growth of Co:ZnO/ZnO Core/Shell Colloidal Quantum Dots: Changes in Nanocrystal Size, Concentration and Dopant Coordination. ChemPhysChem, 2008, 9, 484-491.	2.1	38
3	Aqueous CSD approach for the growth of novel, lattice-tuned LaCe <sup>x</sup> O <sup>y</sup> epitaxial layers. Journal of Materials Chemistry, 2012, 22, 8476.	6.7	32
4	Highly Crystalline Nanoparticle Suspensions for Low-Temperature Processing of TiO <sub>2</sub> Thin Films. ACS Applied Materials & Interfaces, 2016, 8, 13027-13036.	8.0	20
5	Comments on the wetting behavior of non-porous substrates for ceramic coated-conductor applications. Journal of Sol-Gel Science and Technology, 2012, 62, 378-388.	2.4	14
6	Microwave-assisted synthesis of mesoporous titania with increased crystallinity, specific surface area, and photocatalytic activity. Journal of Materials Science, 2016, 51, 9822-9829.	3.7	12
7	Improved photocatalytic activity of polymer-modified TiO <sub>2</sub> films obtained by a wet chemical route. Journal of Materials Science, 2012, 47, 6366-6374.	3.7	11
8	Titania Nanocrystal Surface Functionalization through Silane Chemistry for Low Temperature Deposition on Polymers. ACS Applied Materials & Interfaces, 2016, 8, 29759-29769.	8.0	11
9	Aqueous ZrO <sub>2</sub> and YSZ Colloidal Systems through Microwave Assisted Hydrothermal Synthesis. Materials, 2013, 6, 4082-4095.	2.9	9
10	Chemical solution deposition of functional ceramic coatings using ink-jet printing. Pure and Applied Chemistry, 2015, 87, 231-238.	1.9	5
11	Aqueous Chemical Solution Deposition of Novel, Thick and Dense Lattice-Matched Single Buffer Layers Suitable for YBCO Coated Conductors: Preparation and Characterization. Nanomaterials, 2012, 2, 298-311.	4.1	4
12	Spectroscopy as a tool to detect multinuclear Cu(ii)-triethanolamine complexes in aqueous solution. Dalton Transactions, 2018, 47, 3755-3763.	3.3	4
13	Mesoporous TiO <sub>2</sub> from poly(N,N-dimethylacrylamide)-b-polystyrene block copolymers for long-term acetaldehyde photodegradation. Journal of Materials Science, 2020, 55, 1933-1945.	3.7	4
14	Microwave synthesis of ZrO <sub>2</sub> and Yttria stabilized ZrO <sub>2</sub> particles from aqueous precursor solutions. Materials Research Society Symposia Proceedings, 2012, 1449, 147.	0.1	2
15	Ink-jet Printing of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> Superconducting Coatings and Patterns from Aqueous Solutions. Materials Research Society Symposia Proceedings, 2012, 1449, 25.	0.1	2
16	Ink-jet Printed BaTiO <sub>3</sub> for Photonics. Materials Research Society Symposia Proceedings, 2012, 1454, 209-214.	0.1	1
17	Advances in sustainable fluorine-free CSD YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> thin films. Materials Research Society Symposia Proceedings, 2013, 1579, 1.	0.1	0