

# Fabian H L Starsich

## List of Publications by Year in descending order

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24  
papers

758  
citations

687363

13  
h-index

642732

23  
g-index

26  
all docs

26  
docs citations

26  
times ranked

1459  
citing authors

#	ARTICLE	IF	CITATIONS
1	An Integrated Microbotic Platform for On-Demand, Targeted Therapeutic Interventions. <i>Advanced Materials</i> , 2014, 26, 952-957.	21.0	259
2	Photothermal Killing of Cancer Cells by the Controlled Plasmonic Coupling of Silica-Coated Au/Fe <sub>2</sub> O <sub>3</sub> Nanoaggregates. <i>Advanced Functional Materials</i> , 2014, 24, 2818-2827.	14.9	99
3	Developing a tissue glue by engineering the adhesive and hemostatic properties of metal oxide nanoparticles. <i>Nanoscale</i> , 2017, 9, 8418-8426.	5.6	49
4	Nd <sup>3+</sup> -Doped BiVO <sub>4</sub> luminescent nanothermometers of high sensitivity. <i>Chemical Communications</i> , 2019, 55, 7147-7150.	4.1	42
5	Engineering the Bioactivity of Flame-Made Ceria and Ceria/Bioglass Hybrid Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 2830-2839.	8.0	37
6	Chemically Stable, Strongly Adhesive Sealant Patch for Intestinal Anastomotic Leakage Prevention. <i>Advanced Functional Materials</i> , 2021, 31, 2007099.	14.9	34
7	Silica-Coated Nonstoichiometric Nano Zn-Ferrites for Magnetic Resonance Imaging and Hyperthermia Treatment. <i>Advanced Healthcare Materials</i> , 2016, 5, 2698-2706.	7.6	31
8	Nanoparticles for Biomedicine: Coagulation During Synthesis and Applications. <i>Annual Review of Chemical and Biomolecular Engineering</i> , 2019, 10, 155-174.	6.8	27
9	Deep Tissue Imaging with Highly Fluorescent Near-Infrared Nanocrystals after Systematic Host Screening. <i>Chemistry of Materials</i> , 2017, 29, 8158-8166.	6.7	20
10	Ultrabright and Stable Luminescent Labels for Correlative Cathodoluminescence Electron Microscopy Bioimaging. <i>Nano Letters</i> , 2019, 19, 6013-6018.	9.1	19
11	Lanthanide-Doped Hafnia Nanoparticles for Multimodal Theranostics: Tailoring the Physicochemical Properties and Interactions with Biological Entities. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 437-448.	8.0	19
12	Coercivity Determines Magnetic Particle Heating. <i>Advanced Healthcare Materials</i> , 2018, 7, 1800287.	7.6	17
13	Gas-phase synthesis of magnetic metal/polymer nanocomposites. <i>Nanotechnology</i> , 2014, 25, 505602.	2.6	16
14	Light Extinction by Agglomerates of Gold Nanoparticles: A Plasmon Ruler for Sub-10 nm Interparticle Distances. <i>Analytical Chemistry</i> , 2022, 94, 5310-5316.	6.5	15
15	Reduced Magnetic Coupling in Ultrasmall Iron Oxide T <sub>1</sub> MRI Contrast Agents. <i>ACS Applied Bio Materials</i> , 2018, 1, 783-791.	4.6	13
16	Near-UV activated, photostable nanophosphors for in vitro dosimetry and dynamic bioimaging. <i>AIChE Journal</i> , 2018, 64, 2947-2957.	3.6	12
17	Exploiting Endogenous Surface Defects for Dynamic Nuclear Polarization of Silicon Micro- and Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2018, 122, 25668-25680.	3.1	12
18	Particle interactions and their effect on magnetic particle spectroscopy and imaging. <i>Nanoscale</i> , 2022, 14, 7163-7173.	5.6	11

#	ARTICLE	IF	CITATIONS
19	Facile meltPECylation of flame-made luminescent Tb <sup>3+</sup> -doped yttrium oxide particles: hemocompatibility, cellular uptake and comparison to silica. <i>Chemical Communications</i> , 2018, 54, 2914-2917.	4.1	9
20	Solution-Processed Barium Titanate Nonlinear Woodpile Photonic Structures with Large Surface Areas. <i>Physica Status Solidi (B): Basic Research</i> , 2020, 257, 1900755.	1.5	8
21	Precision in Thermal Therapy: Clinical Requirements and Solutions from Nanotechnology. <i>Advanced Therapeutics</i> , 2021, 4, 2000193.	3.2	5
22	Targeted Delivery: An Integrated Microrobotic Platform for On-Demand, Targeted Therapeutic Interventions ( <i>Adv. Mater.</i> 6/2014). <i>Advanced Materials</i> , 2014, 26, 951-951.	21.0	3
23	Solution-Processed Barium Titanate Nonlinear Woodpile Photonic Structures with Large Surface Areas. <i>Physica Status Solidi (B): Basic Research</i> , 2020, 257, 2070024.	1.5	1
24	Cancer Treatment: Photothermal Killing of Cancer Cells by the Controlled Plasmonic Coupling of Silica-Coated Au/Fe <sub>2</sub> O <sub>3</sub> Nanoaggregates ( <i>Adv. Funct. Mater.</i> 19/2014). <i>Advanced Functional Materials</i> , 2014, 24, 2817-2817.	14.9	0