

# Emil Omurzak

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

581  
citations

623734

14  
h-index

610901

24  
g-index

27  
all docs

27  
docs citations

27  
times ranked

876  
citing authors

#	ARTICLE	IF	CITATIONS
1	Onion-like carbon-encapsulated Co, Ni, and Fe magnetic nanoparticles with low cytotoxicity synthesized by a pulsed plasma in a liquid. <i>Carbon</i> , 2012, 50, 1776-1785.	10.3	105
2	Pure Tetragonal ZrO <sub>2</sub> Nanoparticles Synthesized by Pulsed Plasma in Liquid. <i>Journal of Physical Chemistry C</i> , 2011, 115, 9370-9375.	3.1	98
3	Activated carbon obtained from the cotton processing wastes. <i>Diamond and Related Materials</i> , 2019, 91, 90-97.	3.9	52
4	Synthesis Method of Nanomaterials by Pulsed Plasma in Liquid. <i>Journal of Nanoscience and Nanotechnology</i> , 2007, 7, 3157-3159.	0.9	38
5	Synthesis of pure iron nanoparticles at liquid-liquid interface using pulsed plasma. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	33
6	Synthesis of novel CoC <sub>x</sub> @C nanoparticles. <i>Nanotechnology</i> , 2013, 24, 045602.	2.6	31
7	High temperature stable WC <sub>1-x</sub> @C and TiC@C core-shell nanoparticles by pulsed plasma in liquid. <i>RSC Advances</i> , 2013, 3, 513-519.	3.6	28
8	Synthesis of Blue Amorphous TiO <sub>2</sub> and Ti <sub>2</sub> O <sub>3</sub> by the Impulse Plasma in Liquid. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 6372-6375.	0.9	24
9	Wurtzite-type ZnS nanoparticles by pulsed electric discharge. <i>Nanotechnology</i> , 2011, 22, 365602.	2.6	24
10	Synthesis of zirconium carbide (ZrC) nanoparticles covered with graphitic "windows" by pulsed plasma in liquid. <i>RSC Advances</i> , 2011, 1, 1083.	3.6	22
11	Synthesis of WO <sub>3</sub> ·H <sub>2</sub> O nanoparticles by pulsed plasma in liquid. <i>RSC Advances</i> , 2014, 4, 28673-28677.	3.6	22
12	Synthesis of Hollow Carbon Nano-Onions Using the Pulsed Plasma in Liquid. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 3703-3709.	0.9	19
13	Pulsed Plasma Synthesis of Iron and Nickel Nanoparticles Coated by Carbon for Medical Applications. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 01AJ01.	1.5	18
14	Magnetite Nanoparticles Synthesized Using Pulsed Plasma in Liquid. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 11NJ02.	1.5	17
15	Effect of shock compression on wurtzite-type ZnMgS crystals. <i>Journal of Applied Physics</i> , 2011, 109, .	2.5	11
16	New Preparation Method of Nanocrystalline Materials by Impulse Plasma in Liquid. <i>Journal of Cluster Science</i> , 2009, 20, 37-49.	3.3	8
17	Sn and SnO <sub>2</sub> nanoparticles by pulsed plasma in liquid: Synthesis, characterization and applications. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2015, 212, 2951-2957.	1.8	8
18	Synthesis of Wurtzite-Type ZnMgS by the Pulsed Plasma in Liquid. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 01AB09.	1.5	4

#	ARTICLE	IF	CITATIONS
19	Effect of surfactant materials to nanoparticles formation under pulsed plasma conditions and their antibacterial properties. <i>Materials Today: Proceedings</i> , 2018, 5, 15686-15695.	1.8	4
20	Synthesis of Wurtzite-Type ZnMgS by the Pulsed Plasma in Liquid. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 01AB09.	1.5	4
21	Eco-Friendly Synthesis of Silver Nanoparticles Using Pulsed Plasma in Liquid: Effect of Surfactants. <i>Surfaces</i> , 2022, 5, 202-208.	2.3	4
22	Nanorods of Metallic Bismuth and Antimony by the Impulse Plasma in Liquid. <i>Journal of Cluster Science</i> , 2009, 20, 153-158.	3.3	3
23	Graded Oxide Glasses in Binary Systems (Si <sup>x</sup> Ti, Si <sup>x</sup> V, and Si <sup>x</sup> Zr) Prepared by the Sol <sup>-</sup> Gel and Centrifugal Process. <i>Chemistry of Materials</i> , 2009, 21, 2339-2343.	6.7	3
24	Thermal and Optical Properties of In and In <sub>2</sub> O <sub>3</sub> Nanoparticles Synthesized Using Pulsed Plasma in Water. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1700910.	1.8	1
25	Graphitic Carbon-Coated ZrC- and Co-Nanoparticles Synthesized by Pulsed Plasma in Liquid. <i>Advanced Materials Research</i> , 2011, 236-238, 1978-1982.	0.3	0
26	Synthesis of Sulfide Nanoparticles by the Pulsed Electric Discharge. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1409, 25.	0.1	0