Pavel GalÃ¡Å

List of Publications by Year
in descending order

18	236	1040056 9	940533 16
papers	citations	h-index	g-index

18	18	18	488
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nanocrystalline titanium dioxide films: Influence of ambient conditions on surface- and volume-related photoluminescence. Journal of Applied Physics, 2010, 108, .	2.5	59
2	Photoluminescence of nanocrystalline titanium dioxide films loaded with silver nanoparticles. Journal of Applied Physics, 2011, 109, .	2.5	24
3	Perovskite-quantum dots interface: Deciphering its ultrafast charge carrier dynamics. Nano Energy, 2018, 49, 471-480.	16.0	23
4	Tuning optical/electrical properties of 2D/3D perovskite by the inclusion of aromatic cation. Physical Chemistry Chemical Physics, 2018, 20, 30189-30199.	2.8	22
5	Influence of non-diamond carbon phase on recombination mechanisms of photoexcited charge carriers in microcrystalline and nanocrystalline diamond studied by time resolved photoluminescence spectroscopy. Optical Materials Express, 2014, 4, 624.	3.0	19
6	Coherent phonon dynamics in micro- and nanocrystalline diamond. Optics Express, 2013, 21, 31521.	3.4	17
7	Non-thermal pulsed plasma activated water: environmentally friendly way for efficient surface modification of semiconductor nanoparticles. Green Chemistry, 2021, 23, 898-911.	9.0	13
8	Electrochemically grafted polypyrrole changes photoluminescence of electronic states inside nanocrystalline diamond. Journal of Applied Physics, 2014, 116, 223103.	2.5	10
9	Detection of <scp>L</scp>â€nicotine with dissipation mode quartz crystal microbalance using molecular imprinted polymers. Physica Status Solidi (A) Applications and Materials Science, 2012, 209, 905-910.	1.8	9
10	Deciphering the role of quantum dot size in the ultrafast charge carrier dynamics at the perovskiteâ€“quantum dot interface. Journal of Materials Chemistry C, 2020, 8, 14834-14844.	5.5	9
11	The red and blue luminescence in silicon nanocrystals with an oxidized, nitrogen-containing shell. Faraday Discussions, 2020, 222, 240-257.	3.2	8
12	Influence of non-thermal plasma on structural and electrical properties of globular and nanostructured conductive polymer polypyrrole in water suspension. Scientific Reports, 2017, 7, 15068.	3.3	7
13	Highly spherical SiC nanoparticles grown in nonthermal plasma. Plasma Processes and Polymers, 2022, 19, e2100127.	3.0	5
14	Multicolour Photochromic Response of Ag-TiO₂ Nanocompositeâ€”Role of Light Illumination. Journal of Nanoscience and Nanotechnology, 2010, 10, 2630-2634.	0.9	4
15	Non-Thermal Plasma Sources Based on Cometary and Point-to-Ring Discharges. Molecules, 2022, 27, 238.	3.8	4
16	Synthesis and surface modification of light emitting silicon nanoparticles using non-thermal plasma techniques. EPJ Applied Physics, 2020, 89, 20401.	0.7	2
17	The Synthesis of Tetrasubstituted Cycloalkenes Bearing Ï€â€Conjugated Substituents and Their Optical Properties. ChemistrySelect, 2021, 6, 9904-9910.	1.5	1
18	Silicon nanostructures for energy conversion and devices: general discussion. Faraday Discussions, 2020, 222, 433-435.	3.2	0