BoÅ¼ena Sikora

List of Publications by Year
in descending order

29	839	567281 15	477307 29
papers	citations	h-index	g-index

29	29	29	1168
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Antiradical Activity of Dopamine, L-DOPA, Adrenaline, and Noradrenaline in Water/Methanol and in Liposomal Systems. Journal of Organic Chemistry, 2022, 87, 1791-1804.	3.2	18
2	Synthesis and characterization of Gd₂O₃: Er³⁺, Yb³⁺ doped with Mg²⁺, Li⁺ ionsâ€"effect on the photoluminescence and biological applications. Nanotechnology, 2021, 32, 245705.	2.6	5
3	The ROS-generating photosensitizer-free NaYF₄:Yb,Tm@SiO₂ upconverting nanoparticles for photodynamic therapy application. Nanotechnology, 2021, 32, 475101.	2.6	13
4	Excitation efficiency determines the upconversion luminescence intensity of Î²-NaYF₄:Er³⁺,Yb³⁺ nanoparticles in magnetic fields up to 70 T. Nanoscale, 2020, 12, 20300-20307.	5.6	15
5	Structural, optical and magnetic properties of Y_{3â^'0.02â^'x}Er_{0.02}Yb_x Al₅O₁₂ (0Â<ÂxÂ<Â0.20) nanocrystals: effect of Yb content. Nanotechnology, 2020, 31, 225711.	2.6	10
6	Yttrium-Doped Iron Oxide Nanoparticles for Magnetic Hyperthermia Applications. Journal of Physical Chemistry C, 2020, 124, 6871-6883.	3.1	44
7	Unmodified Rose Bengal photosensitizer conjugated with NaYF₄:Yb,Er upconverting nanoparticles for efficient photodynamic therapy. Nanotechnology, 2020, 31, 465101.	2.6	21
8	Single-step synthesis of Er³⁺and Yb³⁺ions doped molybdate/Gd₂O₃coreâ€"shell nanoparticles for biomedical imaging. Nanotechnology, 2018, 29, 025702.	2.6	16
9	Upconversion fluorescence imaging of HeLa cells using ROS generating SiO₂-coated lanthanide-doped NaYF₄ nanoconstructs. RSC Advances, 2017, 7, 30262-30273.	3.6	27
10	Challenges in QCD matter physics --The scientific programme of the Compressed Baryonic Matter experiment at FAIR. European Physical Journal A, 2017, 53, 1.	2.5	222
11	Mammalian cell defence mechanisms against the cytotoxicity of NaYF₄:(Er,Yb,Gd) nanoparticles. Nanoscale, 2017, 9, 14259-14271.	5.6	18
12	Synthesis and magnetooptic characterization of Cu-doped ZnO/MgO and ZnO/oleic acid core/shell nanoparticles. RSC Advances, 2016, 6, 44820-44825.	3.6	7
13	Strange meson production in Al+Al collisions at 1.9 A GeV. European Physical Journal A, 2016, 52, 1.	2.5	12
14	Fluorescence resonance energy transfer between ZnO/MgO/carboxymethyl-Î²-cyclodextrin and Nile Red in HeLa cells â€" biosensing applications. RSC Advances, 2015, 5, 1323-1330.	3.6	2
15	Upconverting/magnetic: Gd₂O₃:(Er³⁺,Yb³⁺,Zn²⁺) nanoparticles for biological applications: effect of Zn²⁺ doping. RSC Advances, 2015, 5, 78361-78373.	3.6	33
16	Synthesis of ZnAl₂O₄:(Er³⁺,Yb³⁺) spinel-type nanocrystalline upconverting luminescent marker in HeLa carcinoma cells, using a combustion aerosol method route. RSC Advances, 2014, 4, 56596-56604.	3.6	29
17	(Invited) Lanthanides Fluorides Doped Nanocrystals for Biomedical Applications. ECS Transactions, 2014, 61, 115-125.	0.5	8
18	Transport of NaYF₄:Er³⁺, Yb³⁺up-converting nanoparticles into HeLa cells. Nanotechnology, 2013, 24, 235702.	2.6	28

#	Article	IF	Citations
19	Luminescence of colloidal ZnO nanoparticles synthesized in alcohols and biological application of ZnO passivated by MgO. Journal of Physics Condensed Matter, 2013, 25, 194104.	1.8	9
20	Novel ZnO/MgO/Fe2O3composite optomagnetic nanoparticles. Journal of Physics Condensed Matter, 2013, 25, 194105.	1.8	5
21	The growth kinetics of colloidal ZnO nanoparticles in alcohols. Journal of Sol-Gel Science and Technology, 2012, 61, 197-205.	2.4	20
22	Magnetic Fe doped ZnO nanofibers obtained by electrospinning. Journal of Sol-Gel Science and Technology, 2012, 61, 494-500.	2.4	34
23	Two-proton small-angle correlations in central heavy-ion collisions: A beam-energy- and system-size-dependent study. European Physical Journal A, 2005, 23, 271-278.	2.5	27
24	Direct comparison of phase-space distributions of K- and K+ mesons in heavy-ion collisions at SIS energies -- evidence for in-medium modifications of kaons?. European Physical Journal A, 2000, 9, 515-519.	2.5	54
25	On the space-time difference of proton and composite particle emission in central heavy-ion reactions at 400 AÂ· MeV. European Physical Journal A, 1999, 6, 185-195.	2.5	30
26	Identification of baryon resonances in central heavy-ion collisions at energies between 1 and 2 AGeV. European Physical Journal A, 1998, 3, 335-349.	2.5	42
27	Charged pion production in Au on Au collisions at 1 AGeV The FOPI Collaboration. Zeitschrift FÃ¼r Physik A, 1997, 357, 215-234.	0.9	77
28	Shape of collective flow in highly central Au(150 A MeV)+Au collisions. Zeitschrift FÃ¼r Physik A, 1997, 358, 73-80.	0.9	11
29	Virtual excitation of the GDR mode in the subbarrier23Na(p, ?)24Mg reaction. Zeitschrift FÃ¼r Physik A, 1984, 318, 329-331.	1.4	2