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	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
2	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
3	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
4	Yttrium-Doped Iron Oxide Nanoparticles for Magnetic Hyperthermia Applications. Journal of Physical Chemistry C, 2020, 124, 6871-6883.	3.1	44
5	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
6	Magnetic Fe doped ZnO nanofibers obtained by electrospinning. Journal of Sol-Gel Science and Technology, 2012, 61, 494-500.	2.4	34
7	Upconverting/magnetic: Gd₂O₃:(Er³⁺,Yb³⁺,Zn²⁺) nanoparticles for biological applications: effect of Zn²⁺ doping. RSC Advances, 2015, 5, 78361-78373.	3.6	33
8	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
9	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
10	Transport of NaYF₄:Er³⁺, Yb³⁺up-converting nanoparticles into HeLa cells. Nanotechnology, 2013, 24, 235702.	2.6	28
11	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
12	Upconversion fluorescence imaging of HeLa cells using ROS generating SiO₂-coated lanthanide-doped NaYF₄ nanoconstructs. RSC Advances, 2017, 7, 30262-30273.	3.6	27
13	Unmodified Rose Bengal photosensitizer conjugated with NaYF₄:Yb,Er upconverting nanoparticles for efficient photodynamic therapy. Nanotechnology, 2020, 31, 465101.	2.6	21
14	The growth kinetics of colloidal ZnO nanoparticles in alcohols. Journal of Sol-Gel Science and Technology, 2012, 61, 197-205.	2.4	20
15	Mammalian cell defence mechanisms against the cytotoxicity of NaYF₄:(Er,Yb,Gd) nanoparticles. Nanoscale, 2017, 9, 14259-14271.	5.6	18
16	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
17	Single-step synthesis of Er³⁺and Yb³⁺ions doped molybdate/Gd₂O₃coreâ€“shell nanoparticles for biomedical imaging. Nanotechnology, 2018, 29, 025702.	2.6	16
18	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

#	Article	IF	Citations
19	The ROS-generating photosensitizer-free NaYF₄:Yb,Tm@SiO₂ upconverting nanoparticles for photodynamic therapy application. Nanotechnology, 2021, 32, 475101.	2.6	13
20	Strange meson production in Al+Al collisions at 1.9 A GeV. European Physical Journal A, 2016, 52, 1.	2.5	12
21	Shape of collective flow in highly central Au(150 A MeV)+Au collisions. Zeitschrift FÃ¼r Physik A, 1997, 358, 73-80.	0.9	11
22	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
23	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
24	(Invited) Lanthanides Fluorides Doped Nanocrystals for Biomedical Applications. ECS Transactions, 2014, 61, 115-125.	0.5	8
25	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
26	Novel ZnO/MgO/Fe2O3composite optomagnetic nanoparticles. Journal of Physics Condensed Matter, 2013, 25, 194105.	1.8	5
27	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
28	Virtual excitation of the GDR mode in the subbarrier23Na(p, ?)24Mg reaction. Zeitschrift FÃ¼r Physik A, 1984, 318, 329-331.	1.4	2
29	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