Hui-Xia Guo

List of Publications by Year
in descending order

14	399	759233 12	1058476 14
papers	citations	h-index	g-index

14	14	14	417
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A new electrochemical sensor of nitro aromatic compound based on three-dimensional porous Ptâ€“Pd nanoparticles supported by grapheneâ€“multiwalled carbon nanotube composite. Biosensors and Bioelectronics, 2014, 58, 85-91.	10.1	74
2	MnO₂ Nanospheres Assisted by Cysteine Combined with MnO₂ Nanosheets as a Fluorescence Resonance Energy Transfer System for â€œSwitch-onâ€•Detection of Glutathione. Analytical Chemistry, 2021, 93, 9621-9627.	6.5	51
3	Structure, thermal stability and optical simulation of ZrB2 based spectrally selective solar absorber coatings. Solar Energy Materials and Solar Cells, 2019, 193, 178-183.	6.2	46
4	A novel multilayer high temperature colored solar absorber coating based on high-entropy alloy MoNbHfZrTi: Optimized preparation and chromaticity investigation. Solar Energy Materials and Solar Cells, 2020, 209, 110444.	6.2	42
5	Scalable and highly efficient high temperature solar absorber coatings based on high entropy alloy nitride AlCrTaTiZrN with different antireflection layers. Journal of Materials Chemistry A, 2021, 9, 6413-6422.	10.3	32
6	Highly Enhanced Thermal Robustness and Photothermal Conversion Efficiency of Solar-Selective Absorbers Enabled by High-Entropy Alloy Nitride MoTaTiCrN Nanofilms. ACS Applied Materials & Interfaces, 2021, 13, 16987-16996.	8.0	26
7	Toward high-temperature thermal tolerance in solar selective absorber coatings: choosing high entropy ceramic HfNbTaTiZrN. Journal of Materials Chemistry A, 2021, 9, 21270-21280.	10.3	24
8	Scalable and Ultrathin Highâ€Temperature Solar Selective Absorbing Coatings Based on the Highâ€Entropy Nanoceramic AlCrWTaNbTiN with High Photothermal Conversion Efficiency. Solar Rrl, 2021, 5, 2000790.	5.8	23
9	Entropy-Assisted High-Entropy Oxide with a Spinel Structure toward High-Temperature Infrared Radiation Materials. ACS Applied Materials & Interfaces, 2022, 14, 1950-1960.	8.0	21
10	Simultaneous determination of 5-hydroxytryptamine and dopamine using ionic liquid functionalized graphene. Ionics, 2015, 21, 1111-1119.	2.4	20
11	A novel electrocatalytic platform for separation of the overlapping voltammetric responses of AA, DA and UA. RSC Advances, 2014, 4, 5849.	3.6	17
12	Highly Facile Strategy for Detecting D₂O in H₂O by Porphyrin-Based Luminescent Probes. Analytical Chemistry, 2022, 94, 8426-8432.	6.5	15
13	Investigation of photoinduced electron transfer on TiO2 nanowire arrays/porphyrin composite via scanning electrochemical microscopy. RSC Advances, 2015, 5, 56697-56703.	3.6	4
14	Double-layer solar absorber coating based on high entropy ceramic AlCrMoTaTiN: Structure, optical properties and failure mechanism. Surfaces and Interfaces, 2021, 24, 101062.	3.0	4