

河南师范大学

(2023 年)



授权学科  
(学院公章)

名称: 光学工程

代码: 0802

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1	Enhanced nitrogen electroreduction performance by the reorganization of local coordination environment of supported single atom on N(O)-dual-doped graphene	Nano Research	2023,16(7):9099-9106		
2	Predicting the directional spectral emissivity for	Tribology International	2023, 185, 108557		

	rough surfaces polished by sandpaper				
3	Carrier transfer in quasi-2D perovskite/MoS? monolayer heterostructure	Nanophotonics	2023, 12(24) 4495-4505		
4	Multiband metamaterial emitters for infrared and laser compatible stealth with thermal management based on dissipative dielectrics	Photonics Research	2023, 11 2 290-298		

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15	Stress-induced insulator-to-metal transition in silicon-based intermediate band material	Solar Energy	2023, 249, 661-666		
16	Enhancement of transport properties of b-Ga2O3 by hydrogen	International Journal of Hydrogen Energy	2023,48(82)31837-31843		
17	Excitonic Effect Drives Ultrafast Transition in Two-Dimensional Transition Metal Dichalcogenides	Journal of Physical Chemistry Letters	2023, 14, 41, 9200 9206		
18	Soliton molecules and their scattering by a localized PT-symmetric potential in atomic gases	Optics Express	2023; 31; 11116-11131		
19	Radiation temperature measuring method with high dynamic range via fast double-exposure image fusion	Infrared Physics & Technology	2023,130,104625		
20	Optimizing MRT data processing via comparative analysis of SA and PSO algorithms: a simulation and numerical study	Optics Express	2023,31(13):20905-20918		
21	Data processing for simultaneous inversion of emissivity and temperature using improved CABCSMA and target-to-best DE algorithms in multispectral radiation thermometry (MRT)	Optics Express	2023,31(20):32684-32703		
22	Near-infrared normal spectral emissivity of molten Fe-Ni alloys by electromagnetic heating	Infrared Physics & Technology	2023 130 104574		
23	A Mo/Si multilayer film based selective thermal emitter for high-temperature infrared stealth application	Infrared Physics & Technology	2023,131 104643		
24	High-performance near-field thermophotovoltaics based on CaCO3-Graphene/InSb heterostructure	Physical Applied Review	2023 20 064015		
25	Monitoring viscosity in live cells based on the excited-state absorption signal in transient absorption spectroscopy	Applied Physics Letters	2023, 122, 073701		
26	Unipolar barriers in near-broken-gap heterostructures	Applied Physics Letters	2023, 122, 043505		

	for high-performance selfpowered photodetectors				
27	Linear and symmetric synaptic weight update characteristics in van der Waals heterostructure transistors based on 2D In4/3P2Se6 barrier layer	Applied Physics Letters	2023, 123, 141902		
28	Self-powered broadband photodetector based on a monolayer InSe p-i-n homojunction	Physical Review Applied	2023,19(1):014039		
29	Strong interlayer coupling in p-Te/n-CdSe van der Waals heterojunction for self-powered photodetectors with fast speed and high responsivity	Optics Express	2023, 31(12), 19804-19817		
30	Self-hybridized exciton polaritons in thin films of transition metal dichalcogenides for narrowband perfect absorption	Optics Express	2023 31 11 18545-18554		
31	Merging bound states in the continuum in all-dielectric metasurfaces for ultrahigh-Q resonances	Optics Letters	2023 48 19 5045-5048		
32	Mirror-coupled toroidal dipole bound states in the continuum for tunable narrowband perfect absorption	Optics and Laser Technology	2024 169 :110144		
33	Approach to multispectral thermometry with Planck formula and hybrid metaheuristic optimization algorithm	Optics Express	2023, 21(31): 34169		
34	The measurement and modeling investigation on the BRDF of brass under variable temperature	Infrared Physics & Technology	2023, 128: 104505		

35 Improving the measurement accuracy of directional spectral emissivity at large

	sensing				
38	Tuning electronic and optical properties of BlueP/MoSe2 van der Waals heterostructures by strain and external electric field	Results In Physics	2023,44:106035		

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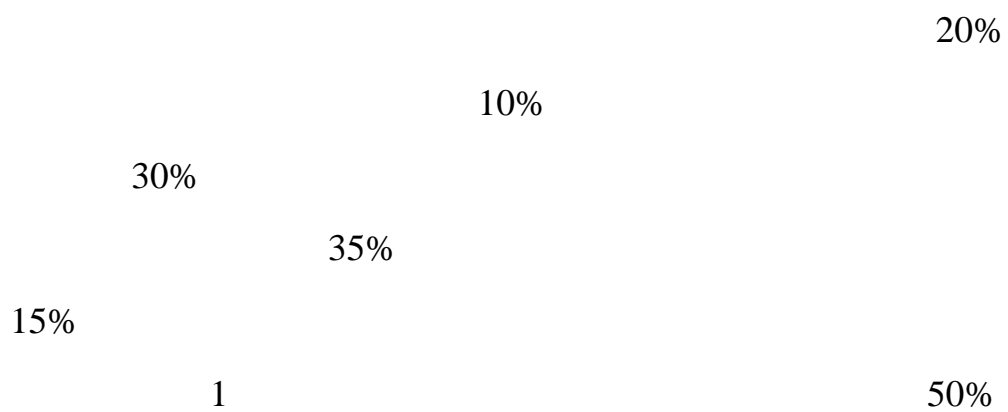
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