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Physical Review B 42

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	

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Multiband metamaterial emitters for infrared and laser compatible stealth with thermal management based on dissipative dielectrics	I notonics 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 Review Applied	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	

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	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	
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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	
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variable temperature
Improving the measurement
accuracy of directional
spectral emissivity at large
emission zenith angle b:nl

	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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