

## 论文汇总表

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序号	论文名称	第一作者/通讯作者	论文级别	刊物名称	备注	论文发表时间
1	Green encapsulants boost stability and sustainability in inverted perovskite solar cells	杨霞/通讯作者	nature子刊	Nature Communications	<i>Nat Commun.</i> 10, 8995 (2025). <a href="https://doi.org/10.1038/s41467-025-64031-8">https://doi.org/10.1038/s41467-025-64031-8</a>	2025年10月
2	Boric acid anchoring-based self-assembled monolayer for promoting the crystallinity of perovskite films to achieve	赵天翔/一作	sci二区	Colloids and Surfaces A: Physicochemical	<a href="https://doi.org/10.1016/j.colsurfa.2025.138708">https://doi.org/10.1016/j.colsurfa.2025.138708</a>	2025年10月
3	2D metallic transition metal dichalcogenides: promising contact metals for 2D GaN-based (opto)electronic devices	敖蕾/通讯作者	sci三区	Physical Chemistry Chemical Physics	<a href="https://doi.org/10.1039/D4CP03794D">https://doi.org/10.1039/D4CP03794D</a>	2025年2月
4	Spectral optimization of multi-primary-color Phosphor-Free LEDs for healthy lighting by NSGA-II	赵娟利/通讯作者	sci二区	Optics and Laser Technology	<a href="https://doi.org/10.1016/j.optlastec.2025.113652">https://doi.org/10.1016/j.optlastec.2025.113652</a>	2025年7月
5	Terahertz Let-7a specific sensing and DNA differentiation enabled by Q-BIC metasurface and phenylboronic acid-gold nanoprobe	石伟楠/一作	sci二区 top	Talanta	10.1016/j.talanta.2025.128577	2025年8月
6	Numerical insights into GaN crystal homogeneity enhancement via synergistic optimization of solution height and crucible diameter in sodium flux growth	周明斌/通讯作者	sci二区	Physics of Fluids	DOI: 10.1063/5.0276401	2025年7月
7	MTSR: Mamba-Transformer Super-Resolution Model for Hyperspectral Images	谢志华/一作	sci二区	IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing	10.1109/JSTARS.2025.3607977	2025年9月
8	Micro-expression spotting based on multi-modal hierarchical semantic guided deep fusion and optical flow driven feature integration	谢志华/通讯作者	sci二区	Complex & Intelligent Systems	<a href="https://doi.org/10.1007/s40747-025-01855-3">https://doi.org/10.1007/s40747-025-01855-3</a>	2025年5月
9	Geographical origin traceability of navel oranges based on near-infrared spectroscopy combined with deep learning	任重/通讯作者	sci二区	Foods	<a href="https://doi.org/10.3390/foods14030484">doi.org/10.3390/foods14030484</a>	2025年2月
10	Growth stages discrimination of multi-cultivar navel oranges using the fusion of near-infrared hyperspectral imaging and machine vision with deep learning	任重/通讯作者	sci二区	Agriculture	<a href="https://doi.org/10.3390/agriculture15141530">doi.org/10.3390/agriculture15141530</a>	2025年7月

11	Quantitative detection of serum biochemical indexes via UV-Vis-NIRS combined with deep neural networks	任重/通讯作者	sci二区	Spectrochimica Acta Part A: Molecular Spectroscopy	<a href="https://doi.org/10.1016/j.saa.2025.126191">doi.org/10.1016/j.saa.2025.126191</a>	2025年10月
12	Influences and failure analysis of the interaction between melt and gas on double-layer gas-assisted extrusion molding of polymer micro-catheters	任重/第一作者	sci三区	Polymers	<a href="https://doi.org/10.3390/polym17040504">doi.org/10.3390/polym17040504</a>	2025年2月
13	Structure-property synergy in functionalized triphenylamine-modified molecules: defect passivation and charge transport enhancement in perovskite solar cells	万齐欣/通讯作者	sci一区	Chemical Engineering Journal	<a href="https://doi.org/10.1016/j.cej.2025.17045">https://doi.org/10.1016/j.cej.2025.17045</a>	2025年11月
14	Flexible perovskite light-emitting diodes: A comprehensive review of emission control strategies for enhanced performance	林前英/一作	sci一区	InfoMat	<a href="https://doi.org/10.1002/inf2.70093">https://doi.org/10.1002/inf2.70093</a>	2025年11月
15	WSC-Net: A Wavelet-Enhanced Swin Transformer with Cross-Domain Attention for Hyperspectral Image Classification	杨贞/第一作者	sci二区	Remote Sensing	<a href="https://doi.org/10.3390/rs17183216">https://doi.org/10.3390/rs17183216</a>	2025年9月
16	MCEM: Multi-Cue Fusion with Clutter Invariant Learning for Real-Time SAR Ship Detection	杨贞/通讯作者	sci三区	Sensors	<a href="https://doi.org/10.3390/s25185736">https://doi.org/10.3390/s25185736</a>	2025年9月
17	Non-contact detection of the interfacial microdefects in metal/CFRP hybrid composites using air-coupled laser ultrasound	曾吕明/通讯作者	sci二区	Structural Health Monitoring	<a href="https://doi.org/10.1177/14759217241234557">https://doi.org/10.1177/14759217241234557</a>	2025年1月
18	In vivo whole brain photoacoustic microscopy through a transparent ultrasound transducer	曾吕明/通讯作者	sci二区	Chinese Optics Letters	<a href="https://doi.org/10.1364/COL.23.021102">https://doi.org/10.1364/COL.23.021102</a>	2025年3月
19	Large-field detection of Metal/CFRP hybrid composites based on air-coupled laser ultrasound	曾吕明/通讯作者	sci二区	Composites Communications	<a href="https://doi.org/10.1016/j.coco.2024.102174">https://doi.org/10.1016/j.coco.2024.102174</a>	2025年1月
20	SAR imaging simulation of ship wake on the finite depth sea surface	罗根/第一作者	sci三区	International Journal of Remote Sensing	<a href="https://doi.org/10.1080/01431161.2025.2549133">DOI: 10.1080/01431161.2025.2549133</a>	2025年8月