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| 方朝龙、戴博、李征、阿里扎哈德、王琦、盛斌、张大伟 | Tunable guided-mode resonance filter with a gradient grating period fabricated by casting a stretched PDMS grating wedge |
| 方朝龙、戴博、卓然、袁旭鹏、高秀敏、文静、盛斌、张大伟 | Focal-length-tunable elastomer-based liquid-filled plano-convex mini lens |
| 冯吉军, 秋本良一 | Low-threshold-current yellow BeZnCdSe quantum-well ridge-waveguide laser diodes under continuous-wave room-temperature operation |
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| 高丽萍, 于方玉, 陈庆奎, 熊乃学 | Consistency maintenance of Do and Undo/Redo operations in real-time collaborative bitmap editing systems |
| 高丽萍, 于方玉, 高丽丽, 熊乃学, 杨桂松 | Consistency maintenance of compound operations in real-time collaborative environments |
| 高鹏飞, 田胜楠, 翁晓羽, 郭汉明 | Dynamically shifting the focal spot with tunable pupil filters |
| 耿滔, 吴娜, 董祥美, 高秀敏 | Tunable near-zero index of self-assembled photonic crystal using magnetic fluid |
| 谷付星, 崔宏斌, 廖风, 林星, 王海凤, 曾和平 | Mode tailoring in subwavelength-dimensional semiconductor micro/nanowaveguides by coupling optical microfibers |
| 郭心悦, 李鑫 | Experimental demonstration of an adaptive orthogonal frequency division multiplexing visible light communication system |
| 郝强; 陈飞鸿; 杨康文; 朱新玥; 张青山; 曾和平 | Self-Started Mode-Locking With Dispersion-Imbalanced Nonlinear Amplifier Loop |
| 郝强; 王云峰; 刘婷婷; 胡红; 曾和平 | Divided-Pulse Nonlinear Amplification at 1.5 μm |
| 郝强; 张青山; 陈飞鸿; 杨康文; 曾和平 | All-Optical 20-MHz-Level Repetition Rate Stabilization of Mode Locking With a Nonlinear Amplifying Loop Mirror |
| 郝如龙, 李毅, 刘飞, 孙瑶, 唐佳茵, 陈培祖, 蒋蔚, 伍征义, 徐婷婷, 方宝英 | Electric field induced metal-insulator transition in VO ₂ thin film based on FTO/VO ₂ /FTO structure |
| 洪瑞金, 宋晓, 陶春先, 张道华, 张大伟 | Surface-enhanced Raman scattering of silver thin films on as-roughened substrate by reactive ion etching |
| 胡金兵, 梁斌明, 蔡小舒, 蒋强, 庄松林 | Influence of surface termination on inverse Goos-Hanchen shift of negatively refractive photonic crystals |
| 胡兴, 胡士强, 黄影平, 张焕龙, 吴汉兵 | Video anomaly detection using deep incremental slow feature analysis network |
| 华有杰, 李晓军, 张大伟, 马洪平, 邓德刚, 徐世清 | The crystal structure and luminescence properties of novel Ce ³⁺ and Ce ³⁺ , Sm ³⁺ -activated Y ₄ SiAlO ₈ N phosphors for near-UV white LEDs |
| 华有杰, 张大伟, 马洪平, 邓德刚, 徐世清 | Synthesis, luminescence properties and electronic structure of Tb ³⁺ -doped Y ₄ -xSiAlO ₈ N:xTb(3+) - a novel green phosphor with high thermal stability for white LEDs |
| 黄影平 刘述民 | Multi-class obstacle detection and classification using stereovision and improved active contour models |

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| 季冰、李至浩、李开明、李龙川、Jason Langley,沈辉,聂生东,张仁杰,胡小平 | Dynamic thalamus parcellation from resting-state fMRI data |
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| 江旻珊, 袁瑛, 顾兆祥, 庄松林 | Corneal confocal microscopy for assessment of diabetic peripheral neuropathy: a meta-analysis |
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| 李柏承, 侯宝路, 张大伟, 周瑶, 赵曼彤, 洪瑞金, 黄元申 | Pears characteristics (soluble solids content and firmness prediction, varieties) testing methods based on visible-near infrared hyperspectral imaging |
| 李道萍 郑继红 桂坤 王康妮 王雅楠 | Electrically controlled hole-patterned tunable-focus lens with polymer dispersed liquid crystal doped with Ag nanoparticles |
| 李帆,K. Bharanitharan,张真诚,毛倩 | Bi-stretch reversible data hiding algorithm for absolute moment block truncation coding compressed images |
| 李琳, 王河阳, 张少丹 | L-2-L-infinity filter design for a class of neutral stochastic time delay systems |
| 李敏, 李安原, 何泊衢, 袁帅, 曾和平 | Modulation of terahertz generation in dual-color filaments by an external electric field and preformed plasma |
| 李敏, 李安原, 何泊衢, 袁帅, 曾和平 | Spectral modulation of third-harmonic generation by molecular alignment and preformed plasma |
| 李然, 杨晖, 郑刚, 张北帆, 费明龙, 孙其诚 | Double speckle-visibility spectroscopy for the dynamics of a passive layer in a rotating drum |
| 李忘言, 魏国亮, 韩非, 刘玉荣 | Weighted Average Consensus-Based Unscented Kalman Filtering |

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| 李业, 王琦, 张大伟, 王建宇, 陈鹏, 戴博, 黄元申, 陶春先, 盛斌 | Intensity-tunable guided mode resonance reflectance filter with dual channels |
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| 李振庆, 刘晨晨, 张大伟, 罗少鹏, 山口佳则 | Capillary electrophoresis of RNA in hydroxyethylcellulose polymer with various molecular weights |
| 李振庆, 赵阳, 张大伟, 庄松林, 山口佳则 | The development of a portable buoyancy-driven PCR system and its evaluation by capillary electrophoresis |
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| 刘晨晨, 山口佳则, 关根伸一, 倪一, 李振庆, 朱锡芳, 窦晓鸣 | Gene analysis of multiple oral bacteria by the polymerase chain reaction coupled with capillary polymer electrophoresis |
| 刘丛, 邬春学, 蒋林华 | Evolutionary clustering framework based on distance matrix for arbitrary-shaped data sets |
| 刘宏敏, 陈杰, 梁焰, 曾和平 | Spike-noise balanced technique for high-speed detection of near-infrared single photons |
| 刘帅, 魏国亮, 宋燕, 刘玉荣 | Error-constrained reliable tracking control for discrete time-varying systems subject to quantization effects |
| 刘帅, 魏国亮, 宋燕, 刘玉荣 | Extended Kalman filtering for stochastic nonlinear systems with randomly occurring cyber attacks |
| 刘亚, 杨安仁, 刘志强, 李玮, 王庆菊, 宋梁, 谷大武 | Improved impossible differential attack on reduced version of Camellia with FL/FL-1 functions |
| 陆志仁, 梁斌明, 丁俊伟, 陈家璧, 庄松林 | Goos-Hanchen shift based on nearzero-refractive-index materials |
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| 罗玉强, 王子栋, 魏国亮, Alsaadi, Fuad E. Hayat, Tasawar | State estimation for a class of artificial neural networks with stochastically corrupted measurements under Round-Robin protocol |

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| 马宏亮, 梁斌明, 庄松林, 陈家璧, 蒋强, 丁俊伟 | Subwavelength imaging of a point source based on two-dimensional photonic crystals |
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| 倪维斗 | Gravitational wave detection in space |
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| 倪维斗 | Solar-system tests of the relativistic gravity |
| 倪维斗 | Spacetime Structure and Electrodynamics Foreword |
| 裴颂文 | Reevaluating the overhead of data preparation for asymmetric multicore system on graphics processing |
| 彭润玲 | A new oil/membrane approach for integrated sweat sampling and sensing: sample volumes reduced from μL 's to nL 's and reduction of analyte contamination from skin. |
| 彭滢, 苑肖嵘, 邹翔, 陈万青, 赵红卫, 宋波, 陈亮, 朱亦鸣 | Terahertz identification and quantification of neurotransmitter and neurotrophin mixture |
| 钱林勇, 张大伟, 陶春先, 洪瑞金, 庄松林 | Tunable guided-mode resonant filter with wedged waveguide layer fabricated by masked ion beam etching |
| 秦川, 陈学琴, 董晶, 张新鹏 | Perceptual image hashing with selective sampling for salient structure features |
| 秦川, 陈学琴, 叶登攀, 王金伟, 孙星明 | A novel image hashing scheme with perceptual robustness using block truncation coding |
| 秦川, 胡育诚 | Reversible data hiding in VQ index table with lossless coding and adaptive switching mechanism |
| 秦川, 王慧丽, 张新鹏, 孙星明 | Self-embedding fragile watermarking based on reference-data interleaving and adaptive selection of embedding mode |
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| 盛斌, 周红燕, 陶春先, Zahid Ali, 倪争技, 黄元申, 洪瑞金, 张大伟 | Tunable and Polarization-Independent Wedged Resonance Filter With 2D Crossed Grating |
| 施成, 臧小飞, 陈麟, 彭滢, 蔡斌, Nash, Geoffrey R, 朱亦鸣 | Compact Broadband Terahertz Perfect Absorber Based on Multi-Interference and Diffraction Effects |
| 宋燕, 方小生, 刁庆大 | Mixed H-2/H-infinity distributed robust model predictive control for polytopic uncertain systems subject to actuator saturation and missing measurements |
| 宋燕, 王子栋, 丁德锐, 魏国亮 | Robust model predictive control under redundant channel transmission with applications in networked DC motor systems |
| 唐佳茵, 李毅, 孙瑶, 刘飞, 郝如龙, 伍征义, 蒋蔚, 徐婷婷, 陈培祖, 方宝英, 王晓华, 肖寒 | Optical properties of VO2 nano periodic array |
| 陶春先, 傅军, 王文, 高秀敏, 张大伟 | Optical gradient force of linearly polarized sine-azimuthal Lorentz beam with one on-axis optical vortex |
| 田甜, 蔡斌, 衫原兴浩 | DAST single-nanometer crystal preparation using a substrate-supported rapid evaporation crystallization method |
| 佟国香, 吴冠宁, 谭健, 熊乃学, Vasilakos, Athanasios V. | A Digital Noise Reduction Scheme in Communication Systems for Internet of Things |
| 王刚、王朝立、杜庆辉、李琳、董文杰 | Distributed Cooperative Control of Multiple Nonholonomic Mobile Robots |
| 王刚、王朝立李琳、杜庆辉 | Distributed adaptive consensus tracking control of higher-order nonlinear strict-feedback multi-agent systems using neural networks |
| 王刚王朝立、蔡轩、李琳 | Distributed adaptive output consensus tracking of higher-order systems with unknown control directions |
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| 王海凤,林剑,张大伟,顾敏,庄松林 | Creation of an anti-imaging system using binary optics |

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| 王建华, 宋燕, 刘帅, 张孙杰 | Security in H-2-sense for polytopic uncertain systems with attacks based on model predictive control |
| 王康妮 郑继红陆飞跃 高辉 ASWIN 庄松林 | Varied-line-spacing switchable holographic grating using polymer-dispersed liquid crystal |
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| 韦鹏, 郭旭光, 张成, 杨锐, 朱亦鸣 | Groove-shape-induced bandwidth expansion of spoof surface plasmon polaritons on planar corrugated Goubau line in millimeter-wave range |
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| 魏玉明, 郭旭光, 陈麟, 朱亦鸣 | A novel coplanar waveguide resonator on flexible substrate |
| 伍征义, 李毅, 陈培祖, 蒋蔚, 徐婷婷, 刘志敏, 张娇, 方宝英, 王晓华, 肖寒 | Design of tunable infrared absorber based on Au/VO ₂ nanostructures |
| 夏鲲, 卢晶, 毕超, 谭媛, 董斌 | Dynamic commutation torque-ripple reduction for brushless DC motor based on quasi-Z-source net |
| 肖寒,李毅,方宝英,王晓华,刘志敏,张娇,李政鹏,黄雅琴,裴江恒 | Microstructures and thermochromic characteristics of VO ₂ /AZO composite films |

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| 徐公杰, 张君, 臧小飞, Sugihara Okihiro, 赵红卫, 蔡斌 | 0.1-20 THz ultra-broadband perfect absorber via a flat multi-layer structure |
| 徐婷婷, 李毅, 陈培祖, 蒋蔚, 伍征义, 刘志敏, 张娇, 方宝英, 王晓华, 肖寒 | Infrared modulator based on AZO/VO2/AZO sandwiched structure due to electric field induced phase transition |
| 许江华, 姜利平, 朱厚飞, 刘玲玲, 胡金兵, 王海凤, 庄松林 | Experimental generation and observation of a super-resolution optical tube |
| 阎妍 | Euler's discretization effect on a twisting algorithm based sliding mode control |
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| 杨桂松、王丽君、蒋林华、何杏宇 | Biased trajectory dissemination of uncontrolled mobile sinks for event collection in wireless sensor networks |
| 杨桂松、徐慧芬、何杏宇、高丽萍、耿一爽、邬春学 | A Clue Based Data Collection Routing Protocol for Mobile Sensor Networks |
| 杨桂松、徐慧芬、何杏宇、王刚、熊乃学、邬春学 | Tracking Mobile Sinks via Analysis of Movement Angle Changes in WSNs |
| 杨海马, 宋佳, 张大伟, 黄元申 | A symmetrical surface plasmon resonance sensing structure excited by a stripe waveguide |
| 杨晖, 蒋国亮, H.Y. Sawe, C. Davies, M.J. Biggs, V. Zivkovic | Granular dynamics of cohesive powders in a rotating drum as revealed by speckle visibility spectroscopy and synchronous measurement of forces due to avalanching |
| 杨康文, 朱国申, 郝强, 黄坤, 洛拉朱利安, 李文雪, 曾和平 | Coherent Polarization Beam Combination by Microcontroller-Based Phase-Locking Method |
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| 张冰雪, 殷传涛, Bertrand DAVID, 熊璋, 牛薇 | Facilitating professionals' work-based learning with context-aware mobile system |

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| 张玲, 刘虹雯, 陈庐阳, 管鹏飞, 陈彬, T. Fujita, Y. Yamaguchi, H. Iwasaki, 薛其坤, 陈明伟 | Large-scale growth of sharp gold nanocones for single-molecule SERS detection |
| 张孙杰, 王子栋, 丁德锐, 董宏丽, Alsaadi, Fuad E. Hayat, Tasawar | Nonfragile H-infinity Fuzzy Filtering With Randomly Occurring Gain Variations and Channel Fadings |
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| 张益彬, 袁明辉, 陈麟, 蔡斌, 朱亦鸣 | Broadband terahertz anti-reflective structure fabricated by femtosecond laser drilling technique |
| 张益彬, 袁明辉, 张冬生, 陈宏彦, 朱亦鸣 | Morphologies of porous silicon etched by the electrochemical etching method with alcohols additives |
| 章鸣寰, 马军山, 陈英 | Optimal classification for the diagnosis of duchenne muscular dystrophy images using support vector machines |
| 郑鸿柱, 李毅, 陈少娟, 袁文瑞, 孙瑶, 唐佳茵, 刘飞, 郝如龙, 方宝英, 肖寒, 王晓华 | Preparation and Optical-Electrical Properties of VO ₂ /FTO Composite Films |
| 钟阳万, 文静, 陈建农, 朱林伟, 高秀敏, 陶春先, 黄元申, 洪瑞金, 张大伟 | A Highly Efficient Plasmonic Lens Based on a Single Annular Ring With Cross Section of an Asymmetric Slot |
| 周子尉, 李孜, 饶俊峰, 姜松, 佐久川贵志 | A High-Performance Drive Circuit for All Solid-State Marx Generator |
| 毕德贵, 张健, 张忠孝 | Industrial Trials of High-Temperature Selective Noncatalytic Reduction Injected in the Primary Combustion Zone in a 50 MWe Tangentially Firing Pulverized-Coal Boiler for Deeper NO _x Reduction |
| 蔡姣, 刘炜, 胡宇, 邹志军, 沈丽, 黄晨* | Associations between home dampness-related exposures and childhood eczema among 13,335 preschool children in Shanghai, China: A cross-sectional study |

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| 蔡姣, 刘炜, 黄晨*, 王雪颖, 沈丽, 邹志军, 胡宇, 孙婵娟, 魏晓阳, 常静, 赵卓慧, 孙越霞, Jan. Sundell | Validity of subjective questionnaire in evaluating dwelling characteristics, home dampness, and indoor odors in Shanghai, China: Cross-sectional survey and on-site inspection |
| 曹昊晨, 邓保庆, 洪洁, 薛娇, 常飞 | Numerical Simulation of the Arrangement of Baffles on Radiation Distribution and Disinfection in UV Reactors |
| 常飞, 孙俊荣, 王杰, 王晓方, 邓保庆, 胡学锋 | Fabrication, characterization, and visible-light photocatalytic performance of ternary plasmonic composites |
| 常飞, 王杰, 罗洁茹, 孙俊荣, 邓保庆, 胡学锋 | Enhanced visible-light-driven photocatalytic performance of mesoporous W-Ti-SBA-15 prepared through a facile hydrothermal route |
| 常飞, 王杰, 罗洁茹, 孙俊荣, 胡学锋 | Synthesis, characterization, and visible-light-driven photocatalytic performance of W-SBA15 |
| 陈剑波, 曲明璐, 韩星 | Experimental analysis on dehumidification performance of an indoor passive falling film liquid desiccant moisture receptacle |
| 陈维芳, 王伟亚, 张敬会, 张小毛 | Effects of co-present cations and anions on hexachlorobenzene removal by activated carbon, nano zerovalent iron and nano zerovalent/activated carbon composite |
| 陈维芳, 王伟亚, 张小毛, 张敬会 | Stabilization of Heavy Metals in Contaminated River Sediment by Nanozero-Valent Iron/Activated Carbon Composite |
| 陈维芳, 晏长城, 王琼, 潘玲 | Carbothermal synthesis of activated carbon-supported nano zero valent iron: effects of temperature, characterization, and reactivity |
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| 刘炜，黄晨*，胡宇，付晴艳，邹志军，孙婵娟，沈丽，王雪颖，蔡姣，潘俊，黄嫣旻，常静，孙越霞，Jan. Sundell | Associations of gestational and early life exposures to ambient air pollution with childhood respiratory diseases in Shanghai, China: A retrospective cohort study |
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