

Paper-ID	Authors	Title
214	Alexander K Popov, Mikhail I Shalaev, Sergey A Myslivets, Vitaly V Slabko, Igor S Nefedov	Enhancing coherent nonlinear-optical processes in nonmagnetic backward-wave materials
307	H. Merzouk, A. Chelouche, S. Saoudi, D. Djouadi, A. Aksas	Influence of Mn doping on structural and optical properties of ZnO nano thin films synthesized by sol-gel technique
393	C. F. L. Vasconcelos, M. R. M. L. Albuquerque, A. G. D'Assunção, and G. M. F. Freitas	Study of a microstrip antenna on anisotropic metamaterials
840	X. R. Zhang, W. Wang, Y. Zhao, X. Hu, K. Reinhardt, R. J. Knize and Yalin Lu	Temperature-agile and Structure-tunable Optical Properties of VO ₂ /Ag Thin Films
858	Liwei Zhang, Guiqiang Du and Yewen Zhang	Time domain investigation of the tunneling modes in photonic heterostructure containing single negative materials
865	Kulpash Iskakova, Rif Akhmaltdinov	Modeling of the crystal structure growth process of GaAs
875	Hala J. El-Khozondar, Rifa J. El-Khozondar and Said Zouhdí	Surface waves at the interface between tunable LC-MTMs and Nonlinear media
876	Adam Bottomley, Daniel Prezgot, Anatoli Ianoul	Plasmonic properties of silver nanocube monolayers on high refractive index substrates
877	Sun Liangkui, Zhang Chaoyang	Design of broadband microwave absorber utilizing FSS screen constructed with coupling configurations
882	L. Nickelson, A. Bubnelis, S. Asmontas	Phase constant peculiarities of cylindrical zero-index anisotropic metamaterial waveguide
884	Liudmila Nickelson and Juozas Bucinskas	Microwave scattered and absorbed powers by a multilayered zero-index anisotropic metamaterial-semiconductor cylinder
889	Riad Yahiaoui, H. Němec, C. Kadlec, F. Kadlec, P. Kužel, U-C. Chung, C. Elissalde, M. Maglione and P. Mounaix	TiO ₂ microspheres-based metamaterials exhibiting effective magnetic response in the terahertz regime
895	Charles Caer, Xavier Le Roux, Laurent Vivien, Eric Cassan	Dispersion engineered slot photonic crystal waveguides for slow light operation
896	Igor A. Karpov, Mikhail R. Trunin and Egil D. Shoo	New Equipment for SHF Electric Field Visualization
902	Natalia Dubrovina, Loïc O. Le Cunff, N. Burokur, R. Ghasemi, A. Degiron, A. De Lustrac, A. Vial, G. Lerondel, and A. Lupu	Single metafilm effective medium behavior in optical domain: Maxwell-Garnett approximation and beyond
907	Guoqiang Du, Liyong Cui, Liwei Zhang, Haitao Jiang	Tamm plasmon polaritons in composite structures composed of the metal film and truncated photonic crystals
910	Ying Cheng, Xiaojun Liu	Coupled resonant modes in twisted acoustic metamaterials
913	Q. Wei, Y. Cheng, and X. J. Liu	Acoustic cloak with duplex communication ability constructed by multilayered homogeneous isotropic materials
914	Samel Arslanagić	Power flow in the interior and exterior of cylindrical coated nano-particles
916	Thierry Taliercio, Véronique N'Tsame Guilengui, and Eric Tournié	Pseudo volume-plasmon into arrays of doped and un-doped semiconductors
918	M. Fevrier, P. Gogol, A. Aassime, R. Mégy, D. Bouville, J. M. Lourtioz and B. Dagens	Localized surface Plasmon Bragg grating on SOI waveguide at telecom wavelengths
921	Thierry Taliercio, Véronique N'Tsame Guilengui, and Eric Tournié	Arrays of doped and un-doped semiconductors for sensor applications
924	Chunguang Du	Quantum Surface plasmon resonance system based on electromagnetically -induced transparency
936	A. Bubnelis, L. Nickelson	Main and higher mode absorption dependencies of open semiconductor plasma waveguide on the percentage of heavy holes
938	Rui-xin Wu, Jiang Zhu and Li-rong Tan	Lower RCS Directional Antenna by Left-Handed Material
942	M. A. Wan Nordin, M. T. Islam, N. Misran	A Compact Slotted Coplanar-Waveguide (CPW) Fed Metamaterial Inspired Patch Antenna for the Wi-MAX 5.5 GHz Application
946	M. Février, P. Gogol, A. Aassime, D. Bouville, R. Mégy and B. Dagens	Integrated Localized Surface Plasmon Waveguides
950	Jin Hu and Xiang-Yang Lu	Determining the full transformed relations in transformation method
953	Arnab Gangopadhyay, Aditi Sarkar, Aloke Sarkar	A Study on Natural Coral Stone – a Fractal Solid

958	J. Radovanović, S. Ramović, A. Daničić and V. Milanović	Negative refraction in semiconductor metamaterials based on quantum cascade laser design for the mid-IR and THz spectral range
959	L. Cao, A.-S. Grimault-Jacquin and F. Aniel	Optimal structure for Resonant THz Detection of Plasmons-Polaritons in the 2D quantum wells
967	Daria O. Ignatyeva, Anatoly P. Sukhorukov	Plasmon beams interaction at the surface of photorefractive crystals
971	M. Keshavarz Hedayati, F. Faupel, and M. Elbahri	Tunable Broadband Plasmonic Perfect Absorber at Visible Frequencies
972	Djamal Gacemi, Juliette Mangeney, Karine Blary, Jean-Francois Lampin, Thibault Laurent, Tahsin Akalin, Paul Crozat and Fanqi Meng	THz surface plasmon waves on planar Goubau lines
973	Jelena Radovanović, Igor Ilić, Petra Beličev, Vitomir Milanović and Ljupčo Hadžievski	Comparison of tunneling times in isotropic and anisotropic media
975	Anthony K. Amert, Victor V. Gozhenko, Keith W. Whites	Calculation of Effective Material Parameters by Field Averaging Over Lattices with Non-Negligible Unit Cell Size
979	Romain Fleury and Andrea Alù	Exotic Properties and Potential Applications of Quantum Metamaterials
980	Mats Gustafsson	Bandwidth constraints for passive superluminal propagation through metamaterials
996	Uwe D. Zeitner, Maria Oliva, Frank Fuchs, Dirk Michaelis, Tino Benkenstein, Torsten Harzendorf and Ernst-Bernhard Kley	High performance diffraction gratings made by e-beam lithography
997	J. Saa-Seoane, N.-C. Nguyen, H. Men, R. Freund, J. Peraire	Binary Programming Techniques for Linear Metamaterial Design Optimization
1003	M. E. de Cos and F. Las Heras	Novel uniplanar flexible Artificial Magnetic Conductor
1004	V.A.G. Rivera, F.A. Ferri, L.A.O. Nunes, A.R. Zanatta and E. Marega Jr.	Focusing surface plasmons on Er3+ ions through gold planar plasmonic lenses
1006	Mohamed Hicham Belyamoun, Olivier Dubrunfaut, and Said Zouhdi	Dynamic homogenization of split-ring metamaterials by Floquet-Bloch decomposition
1006	Jordi Naqui, Miguel Durán-Sindreu, and Ferran Martín	Selective Mode Suppression in Coplanar Waveguides Using Metamaterial Resonators
1008	Ravi S. Hegde, Yew Li Hor, and Wolfgang J. R. Hoefer	A Microwave Engineering Perspective of the Superlens
1011	M. S. Khennouche, F. Gadot, B. Belier and A. de Lustrac	Different configurations of metamaterials coupled with an RF coil for MRI Applications
1012	Alexandros I. Dimitriadis, Nikolaos V. Kantartzis, and Theodoros D. Tsiboukis	A Polarization-/Angle-Insensitive, Bandwidth-Optimized, Metamaterial Absorber in the Microwave Regime
1017	Fabian Gaufillet, Eric Akmansoy	METALLIC GRADED PHOTONIC CRYSTALS FOR GRADED INDEX LENS
1022	Julien Sarrazin, Anne Claire Lepage, and Xavier Begaud	Dual-band Artificial Magnetic Conductor
1023	M. Grelier, C. Djoma, X. Begaud, A. C. Lepage, M. Jousset and S. Mallégol	Axial ratio improvement of an Archimedean spiral antenna over a radial AMC reflector
1029	Gabriela Andrea Cervantes Tellez, Aftab Ahmed, Reuven Gordon	Optimizing the Resolution of Nanohole Arrays in Metal Films for Refractive Index Sensing
1030	Greg E Bridges, Miodrag Kandic	Gain Compensated Symmetric Loaded Transmission Line Exhibiting Bidirectional Negative Group Delay
1031	R. Ghasemi, N. Dubrovina, P.-H. Tichit, A. Lupu, and A. de Lustrac	Transformation optics and infrared metamaterials for optical devices
1035	Aïta Thior, Anne-Claire Lepage, Xavier Begaud, Olivier Maas	Analytical approach for CRLH based antennas design
1039	Takuya Konno, Takahiro Suzuki, John C. Young, Mikio Saigusa, Keisuke Takano, Hideaki Kitahara, Masanori Hangyo, and Takehito Suzuki	Proposal and Analysis of Artificial Dielectric Lens with Metallic Corrugated Structures for Terahertz Wave Band
1045	Takehito Suzuki, Tomonari Suzuki, John C. Young, Keisuke Takano, Hideaki Kitahara, Masanori Hangyo	Analysis of Artificial Dielectric Lens with Metallic Rectangular Chips for Terahertz Wave Band and Physical Explanation by Periodic Model
1050	Juan Carlos González, Dejan Grabovičkić, Juan Carlos Miñano, Pablo Benítez	Super-resolution properties of the Spherical Geodesic Waveguides using the perfect drain