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Low-loss metamaterials based on classical electromagnetically induced transparency

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#	Paper	IF	Citations
583	Cavity equations for a positive- or negative-refraction-index material with electric and magnetic nonlinearities. <b>2009</b> , 80, 056601		8
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577	Asymmetric coupling between subradiant and superradiant plasmonic resonances and its enhanced sensing performance. <i>Optics Express</i> , <b>2009</b> , 17, 15372-80	3.3	175
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559	Negative-permeability electromagnetically induced transparent and magnetically active metamaterials. <b>2010</b> , 81,		33
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<ul><li>538</li><li>537</li><li>536</li></ul>	Tunable slow light in semiconductor metamaterial in a broad terahertz regime. 2010, 107, 093104  Transition from isolated to collective modes in plasmonic oligomers. 2010, 10, 2721-6  Passive and active control of a plasmonic mimic of electromagnetically induced transparency in stereometamaterials and planar metamaterials. 2010, 1, 045004  Electromagnetic Wave Propagation in a Sandwich Structure Containing Single-Negative	7.4	83
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<ul><li>538</li><li>537</li><li>536</li><li>535</li><li>534</li></ul>	Tunable slow light in semiconductor metamaterial in a broad terahertz regime. 2010, 107, 093104  Transition from isolated to collective modes in plasmonic oligomers. 2010, 10, 2721-6  Passive and active control of a plasmonic mimic of electromagnetically induced transparency in stereometamaterials and planar metamaterials. 2010, 1, 045004  Electromagnetic Wave Propagation in a Sandwich Structure Containing Single-Negative Metamaterial. 2010,  Electromagnetic response of a metamaterial with field-gradient-induced transparency. 2010, 82,	7.4	8 <sub>3</sub> 4 <sub>8<sub>3</sub></sub> 9

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403	Low-power and ultrafast all-optical tunable plasmon-induced transparency in plasmonic nanostructures. <b>2013</b> , 102, 201119		38
402	Front Matter. 2013, i-xix		
401	Near-field resonance at far-field-induced transparency in diffractive arrays of plasmonic nanorods. <b>2013</b> , 38, 1238-40		11
400	Slow light from sharp dispersion by exciting dark photonic angular momentum states. <b>2013</b> , 38, 250-2		9
399	Fano resonance in concentric ring apertures. <i>Optics Express</i> , <b>2013</b> , 21, 11101-6	3.3	20
398	Polarization manipulation based on electromagnetically induced transparency-like (EIT-like) effect. <i>Optics Express</i> , <b>2013</b> , 21, 32099-110	3.3	49
397	The metamaterial analogue of electromagnetically induced transparency by dual-mode excitation of a symmetric resonator. <b>2013</b> , 22, 107804		3
396	Plasmonic analog of electromagnetically induced transparency in nanostructure graphene. <i>Optics Express</i> , <b>2013</b> , 21, 28438-43	3.3	108
395	Multi-peak electromagnetically induced transparency in concentric multiple-ring metamaterials. <i>Journal of Optics (United Kingdom)</i> , <b>2013</b> , 15, 075103	1.7	6
394	Plasmonic analog of electromagnetically induced absorption: simulations, experiments, and coupled oscillator analysis. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2013</b> , 30, 3123	1.7	58
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390	Realization and Modeling of Metamaterials Made of rf Superconducting Quantum-Interference Devices. <b>2013</b> , 3,		39
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388	Enhancement of Fano resonance in metal/dielectric/metal metamaterials at optical regime. <i>Optics Express</i> , <b>2013</b> , 21, 19228-39	3.3	21
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384	An extremely large group index via electromagnetically induced transparency in metamaterials. <b>2014</b> , 9,		11	
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324	Ultrafast optical control of group delay of narrow-band terahertz waves. <b>2014</b> , 4, 4346		63
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282	All-optical tunable on-chip plasmon-induced transparency based on two surface-plasmon-polaritons absorption. <b>2016</b> , 108, 151104		13
281	Reconfigurable designs for electromagnetically induced transparency in solid state plasma metamaterials with multiple transmission windows. <b>2016</b> , 30, 1650070		14
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261	Tailoring the Electromagnetically Induced Transparency and Absorbance in Coupled Fanollorentzian Metasurfaces: A Classical Analog of a Four-Level Tripod Quantum System. <b>2016</b> , 4, 1179-11	185	24

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256	Tunability of double layer coupled plasmonic system and its application in displacement sensing. <b>2016</b> , 122, 1		
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252	Dynamically Electrically Tunable Broadband Absorber Based on Graphene Analog of Electromagnetically Induced Transparency. <b>2016</b> , 8, 1-8		32
251	Tailoring electromagnetically induced transparency effect of terahertz metamaterials on ultrathin substrate. <b>2016</b> , 59, 1		2
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238	Tunable electromagnetically induced transparency in hybrid graphene/all-dielectric metamaterial. <b>2017</b> , 123, 1		19
237	Plasmonic Analog of Electromagnetically Induced Transparency in Stereo Metamaterials. <b>2017</b> , 23, 1-7		13
236	Electromagnetically induced transparency in planar metamaterials based on guided mode resonance. <b>2017</b> , 392, 142-146		16
235	Multimode acoustic transparency and slow sound effects in hybrid subwavelength resonators. <b>2017</b> , 10, 037302		3
234	Active MEMS metamaterials for THz bandwidth control. <b>2017</b> , 110, 161108		30
233	Selective coherent perfect absorption of subradiant mode in ultrathin bi-layer metamaterials via antisymmetric excitation. <b>2017</b> , 110, 181111		10
232	Dynamically tunable plasmon induced transparency in graphene metamaterials. <i>Journal of Optics</i> (United Kingdom), <b>2017</b> , 19, 015001	1.7	12
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230	Weak coupling between bright and dark resonators with electrical tunability and analysis based on temporal coupled-mode theory. <b>2017</b> , 110, 221905		23
229	Analogue of ultra-broadband and polarization-independent electromagnetically induced transparency using planar metamaterial. <b>2017</b> , 121, 123103		33
228	Controlled opacity in a class of nonlinear dielectric media. <b>2017</b> , 95,		O
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225	Electromagnetically Induced Transparency Based on Cascaded Eshaped Graphene Nanostructure. <i>Plasmonics</i> , <b>2017</b> , 12, 1833-1839	2.4	8

224	Plasmonic-induced transparency in a MIM waveguide with two side-coupled cavities. <b>2017</b> , 123, 1		6
223	Large-Modulation-Depth Polarization-Sensitive Plasmonic Toroidal Terahertz Metamaterial. <b>2017</b> , 29, 1860-1863		23
222	Single and multi-band electromagnetic induced transparency-like metamaterials with coupled split ring resonators. <b>2017</b> , 122, 073103		13
221	Low-loss planar metamaterials electromagnetically induced transparency for sensitive refractive index sensing. <i>Journal Physics D: Applied Physics</i> , <b>2017</b> , 50, 405105	3	12
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219	Tailoring polarization of electromagnetically induced transparency based on non-centrosymmetric metasurfaces. <b>2017</b> , 381, 3000-3004		15
218	Comparing Q-factor of electromagnetically induced transparency based on different space distribution quasi-dark mode resonator. <b>2017</b> , 122, 044501		7
217	Terahertz diffraction enhanced transparency probed in the near field. <b>2017</b> , 96,		12
216	Abnormal mode splitting in photonic crystals micro-cavity containing highly dispersive metamaterials. <i>Journal of Optics (United Kingdom)</i> , <b>2017</b> , 19, 125101	1.7	
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214	Active control and switching of broadband electromagnetically induced transparency in symmetric metadevices. <b>2017</b> , 111, 021101		72
213	Broadband Plasmon-Induced Transparency in Plasmonic Metasurfaces Based on Bright-Dark-Bright Mode Coupling. <i>Plasmonics</i> , <b>2017</b> , 12, 1555-1560	2.4	6
212	Guided mode resonance with extremely high Q-factors in terahertz metamaterials. <b>2017</b> , 383, 508-512		15
211	High-Q Fano Resonances in Asymmetric and Symmetric All-Dielectric Metasurfaces. <i>Plasmonics</i> , <b>2017</b> , 12, 1431-1438	2.4	9
<b>21</b> 0	Disappearance of Plasmonically Induced Reflectance by Breaking Symmetry in Metamaterials. <i>Plasmonics</i> , <b>2017</b> , 12, 1331-1342	2.4	23
209	Electromagnetic diode based on photonic crystal cavity with embedded highly dispersive meta-interface. <b>2017</b> , 122, 244507		3
208	A low-loss electromagnetically induced transparency (EIT) metamaterial based on coupling between electric and toroidal dipoles. <b>2017</b> , 7, 55897-55904		26
207	Storage and retrieval of electromagnetic waves with orbital angular momentum via plasmon-induced transparency. <i>Optics Express</i> , <b>2017</b> , 25, 785-798	3.3	7

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205	Localized terahertz electromagnetically-induced transparency-like phenomenon in a conductively coupled trimer metamolecule. <i>Optics Express</i> , <b>2017</b> , 25, 24410-24424	3.3	21
204	Analogue of double-Etype atomic medium and vector plasmonic dromions in a metamaterial. <i>Optics Express</i> , <b>2017</b> , 25, 25447-25466	3.3	2
203	Field redistribution inside an X-ray cavity-QED setup. <i>Optics Express</i> , <b>2017</b> , 25, 31337-31346	3.3	2
202	Nonlinear properties of photonic crystal cavity with embedded electromagnetic-induced-transparency-like meta-atoms. <i>Optical Materials Express</i> , <b>2017</b> , 7, 3034	2.6	5
201	Independently tunable dual-band plasmonically induced transparency based on hybrid metal-graphene metamaterials at mid-infrared frequencies. <i>Optics Express</i> , <b>2017</b> , 25, 1242-1250	3.3	41
200	Tunable Multiple Plasmon-Induced Transparencies Based on Asymmetrical Grapheme Nanoribbon Structures. <b>2017</b> , 10,		5
199	Method proposing a slow light ring resonator structure coupled with a metal-dielectric-metal waveguide system based on plasmonic induced transparency. <b>2017</b> , 56, 4496-4504		12
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197	Electrically Tunable Slow Light Using Graphene Metamaterials. <b>2018</b> , 5, 1800-1807		128
197 196	Electrically Tunable Slow Light Using Graphene Metamaterials. 2018, 5, 1800-1807  Giant angular dependence of electromagnetic induced transparency in THz metamaterials. 2018, 121, 44004		128
	Giant angular dependence of electromagnetic induced transparency in THz metamaterials. <b>2018</b> ,		
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196 195	Giant angular dependence of electromagnetic induced transparency in THz metamaterials. 2018, 121, 44004  . 2018, 36, 2083-2093  Trapped-mode-induced Fano resonance and acoustical transparency in a one-dimensional		9
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187	Tunable Fano Resonances in Mid-Infrared Waveguide-Coupled Otto Configuration. <i>Plasmonics</i> , <b>2018</b> , 13, 215-220	2.4	8
186	Dynamically Tunable Electromagnetically Induced Transparency in Graphene and Split-Ring Hybrid Metamaterial. <i>Plasmonics</i> , <b>2018</b> , 13, 451-457	2.4	15
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175	Silent enhancement of SERS signal without increasing hot spot intensities. <b>2018</b> , 7, 1687-1695		18
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113	Novel terahertz metasurfaces based on complementary coupled split ring resonators. <i>Optical Materials</i> , <b>2020</b> , 99, 109596	3.3	2
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93	Wave discrimination at C-band frequencies in microstrip structures inspired by electromagnetically induced transparency. <b>2021</b> , 11, 2983		1
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