Xudong Chen

List of Publications by Year
in descending order

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212 papers	9,408 citations	57758 44 h-index	45317 90 g-index
232 all docs	232 docs citations	232 times ranked	4236 citing authors

#	Article	IF	Citations
1	Electric Flux Density Learning Method for Solving 3-D Electromagnetic Scattering Problems. IEEE Transactions on Antennas and Propagation, 2022, 70, 5144-5155.	5.1	4
2	A Systematic Material Characterization Method via Near-Field Scanning Microwave Microscopy. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 3300-3309.	4.6	2
3	A Phaseless Extended Rytov Approximation for Strongly Scattering Low-Loss Media and Its Application to Indoor Imaging. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	6.3	11
4	Learning Approach to FMCW Radar Target Classification With Feature Extraction From Wave Physics. IEEE Transactions on Antennas and Propagation, 2022, 70, 6287-6299.	5.1	2
5	A New Correction to the Rytov Approximation for Strongly Scattering Lossy Media. IEEE Transactions on Antennas and Propagation, 2022, 70, 10851-10864.	5.1	4
6	Learning-Based Subsurface Quantitative Imaging via Near-Field Scanning Microwave Microscopy. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 5008-5018.	4.6	3
7	Uncertainty Quantification in Inverse Scattering Problems With Bayesian Convolutional Neural Networks. IEEE Transactions on Antennas and Propagation, 2021, 69, 3409-3418.	5.1	41
8	An Improved Deep Learning Scheme for Solving 2-D and 3-D Inverse Scattering Problems. IEEE Transactions on Antennas and Propagation, 2021, 69, 2853-2863.	5.1	33
9	Fast 3-D Image Reconstruction on Nonregular UWB Sparse MIMO Planar Array Using Scaling Techniques. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 222-234.	4.6	15
10	Learning-Based Fast Electromagnetic Scattering Solver Through Generative Adversarial Network. IEEE Transactions on Antennas and Propagation, 2021, 69, 2194-2208.	5.1	51
11	Precise Near-Range 3-D Image Reconstruction Based on MIMO Circular Synthetic Aperture Radar. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 2651-2661.	4.6	15
12	Machine Learning in Electromagnetics With Applications to Biomedical Imaging: A Review. IEEE Antennas and Propagation Magazine, 2021, 63, 39-51.	1.4	42
13	Investigation of Deep Learning Backbone Influence on 2D Permittivity Reconstruction Performance. , 2021, , .		0
14	Induced-Current Learning Method for Nonlinear Reconstructions in Electrical Impedance Tomography. IEEE Transactions on Medical Imaging, 2020, 39, 1326-1334.	8.9	36
15	Learning-Based Quantitative Microwave Imaging With a Hybrid Input Scheme. IEEE Sensors Journal, 2020, 20, 15007-15013.	4.7	20
16	A Multi-Image Encryption with Super-Lager-Capacity Based on Spherical Diffraction and Filtering Diffusion. Applied Sciences (Switzerland), 2020, 10, 5691.	2.5	4
17	A REVIEW OF DEEP LEARNING APPROACHES FOR INVERSE SCATTERING PROBLEMS (INVITED REVIEW). Progress in Electromagnetics Research, 2020, 167, 67-81.	4.4	163
18	Efficient Frequency Scaling Algorithm for Short-Range 3-D Holographic Imaging Based on a Scanning MIMO Array. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 3885-3897.	4.6	22

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19	Deep Learning-Based Inversion Methods for Solving Inverse Scattering Problems With Phaseless Data. IEEE Transactions on Antennas and Propagation, 2020, 68, 7457-7470.	5.1	72
20	Doubleâ€image asymmetric cryptosystem using cylindrical diffraction and spectrum fusion and compression. IET Optoelectronics, 2020, 14, 169-175.	3.3	2
21	Novel fully convolutional network for cryptanalysis of cryptosystem by equal modulus decomposition. Laser Physics Letters, 2020, 17, 095201.	1.4	3
22	Non-Iterative Methods Based on Singular Value Decomposition for Inverse Scattering Problems. IEEE Transactions on Antennas and Propagation, 2020, 68, 4764-4773.	5.1	18
23	Application of Subspace-Based Distorted-Born Iteration Method in Imaging Biaxial Anisotropic Scatterer. IEEE Transactions on Computational Imaging, 2020, 6, 1486-1492.	4.4	8
24	Nonlinear Reconstruction of Multilayer Media in Scanning Microwave Microscopy. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 197-205.	4.7	7
25	Physics-Inspired Convolutional Neural Network for Solving Full-Wave Inverse Scattering Problems. IEEE Transactions on Antennas and Propagation, 2019, 67, 6138-6148.	5.1	156
26	Solving Full-Wave Nonlinear Inverse Scattering Problems by Deep Learning Schemes. , 2019, , .		4
27	Asymmetric Cryptosystem Using Improved Equal Modulus Decomposition in Cylindrical Diffraction Domain. IEEE Access, 2019, 7, 66234-66241.	4.2	10
28	DNNs as Applied to Electromagnetics, Antennas, and Propagationâ€”A Review. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 2225-2229.	4.0	154
29	Numerical Analysis of Electromagnetic Multiphase Fraction Sensor. , 2019, , .		1
30	Fast Microwave Through Wall Imaging Method With Inhomogeneous Background Based on Levenbergâ€“Marquardt Algorithm. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 1138-1147.	4.6	28
31	Dominant-Current Deep Learning Scheme for Electrical Impedance Tomography. IEEE Transactions on Biomedical Engineering, 2019, 66, 2546-2555.	4.2	109
32	Deep-Learning Schemes for Full-Wave Nonlinear Inverse Scattering Problems. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 1849-1860.	6.3	306
33	Casimir effect and graphene: Tunability, scalability, Casimir rotor. AIP Advances, 2018, 8, 015330.	1.3	6
34	Robust Image Retrieval from Phaseless Data. , 2018, , .		2
35	Wavelet Transform Subspace-Based Optimization Method for Inverse Scattering. IEEE Journal on Multiscale and Multiphysics Computational Techniques, 2018, 3, 176-184.	2.2	21
36	Effects of Multiple Scattering on Resolution of Full-Wave Inverse-Scattering Solver. , 2018, , .		1

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37	Frequency subspace amplitude flow for phase retrieval. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2018, 35, 1074.	1.5	2
38	A Fast Algorithm for Microwave Biomedical Imaging with Inhomogeneous Background. , 2018, , .		2
39	A Fast Integral Equation-Based Method for Solving Electromagnetic Inverse Scattering Problems With Inhomogeneous Background. IEEE Transactions on Antennas and Propagation, 2018, 66, 4228-4239.	5.1	36
40	Subspace-Based Distorted-Born Iterative Method for Solving Inverse Scattering Problems. IEEE Transactions on Antennas and Propagation, 2017, 65, 7224-7232.	5.1	66
41	Conjugate gradient method for phase retrieval based on the Wirtinger derivative. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2017, 34, 708.	1.5	13
42	Creation of a longitudinally polarized photonic nanojet via an engineered microsphere. Optics Letters, 2017, 42, 1444.	3.3	30
43	Robust phase retrieval of complex-valued object in phase modulation by hybrid Wirtinger flow method. Optical Engineering, 2017, 56, 1.	1.0	1
44	TWO FFT SUBSPACE-BASED OPTIMIZATION METHODS FOR ELECTRICAL IMPEDANCE TOMOGRAPHY. Progress in Electromagnetics Research, 2016, 157, 111-120.	4.4	15
45	Interpretation of the optical transfer function: Significance for image scanning microscopy. Optics Express, 2016, 24, 27280.	3.4	28
46	Superresolution microscopy imaging based on full-wave modeling and image reconstruction. Optica, 2016, 3, 1339.	9.3	12
47	Quantitative analysis of effective height of probes in microwave impedance microscopy. Review of Scientific Instruments, 2016, 87, 094701.	1.3	5
48	A distorted Born subspace based optimization method. , 2016, , .		1
49	Quantitative Theory for Probe-Sample Interaction With Inhomogeneous Perturbation in Near-Field Scanning Microwave Microscopy. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 1402-1408.	4.6	20
50	Digital holography-secured scheme using only binary phase or amplitude as ciphertext. Applied Optics, 2016, 55, 6740.	2.1	13
51	Roadmap on optical security. Journal of Optics (United Kingdom), 2016, 18, 083001.	2.2	338
52	Super-focusing of center-covered engineered microsphere. Scientific Reports, 2016, 6, 31637.	3.3	43
53	A New Integral Equation Method to Solve Highly Nonlinear Inverse Scattering Problems. IEEE Transactions on Antennas and Propagation, 2016, 64, 1788-1799.	5.1	81
54	Optical image encryption based on multi-beam interference and common vector decomposition. Optics Communications, 2016, 361, 6-12.	2.1	5

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55	A new optical image cryptosystem based on two-beam coherent superposition and unequal modulus decomposition. Optics and Laser Technology, 2016, 78, 167-174.	4.6	24
56	Subspace-based optimization method coupled with multiplicative regularization for edge-preserving inversion. , 2015, , .		1
57	Crossing the Resolution Limit in Near-Infrared Imaging of Silicon Chips: Targeting 10-nm Node Technology. Physical Review X, 2015, 5, .	8.9	3
58	Optically secured information retrieval using two authenticated phase-only masks. Scientific Reports, 2015, 5, 15668.	3.3	29
59	Numerical study of resolution in near field microscopy for dielectric samples. , 2015, , .		2
60	Optical Encryption and Authentication Based on Phase Retrieval and Sparsity Constraints. IEEE Photonics Journal, 2015, 7, 1-10.	2.0	19
61	Single-pixel optical imaging with compressed reference intensity patterns. , 2015, , .		0
62	Grayscale object authentication based on ghost imaging using binary signals. Europhysics Letters, 2015, 110, 44002.	2.0	63
63	Optical authentication via photon-synthesized ghost imaging using optical nonlinear correlation. Optics and Lasers in Engineering, 2015, 73, 123-127.	3.8	35
64	Three dimensional through-wall imaging: Inverse scattering problems with an inhomogeneous background medium. , 2015, , .		9
65	Detection and characterization of small targets: Compressive sensing approach. , 2015, , .		1
66	Analysis of tip-sample interaction in microwave impedance microscopy by lumped element model. , 2015, , .		1
67	Event localization of RF devices used in elderly care. , 2015, , .		0
68	Analytical Green's function for tip-sample interaction in microwave impedance microscopy. , 2015, , .		0
69	Multi-resolution subspace-based optimization method for solving three-dimensional inverse scattering problems. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2015, 32, 2218.	1.5	20
70	Optical image hiding using double-phase retrieval algorithm based on nonlinear cryptosystem under vortex beam illumination. Journal of Optics (United Kingdom), 2015, 17, 035704.	2.2	10
71	Security-enhanced phase encryption assisted by nonlinear optical correlation via sparse phase. Journal of Optics (United Kingdom), 2015, 17, 035702.	2.2	19
72	Ghost imaging using labyrinth-like phase modulation patterns for high-efficiency and high-security optical encryption. Europhysics Letters, 2015, 109, 14001.	2.0	46

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73	Ghost-secured imaging via pixel modulation of one phase-only mask. Proceedings of SPIE, 2015, , .	0.8	0
74	Optical information authentication using compressed double-random-phase-encoded images and quick-response codes. Optics Express, 2015, 23, 6239.	3.4	62
75	Focusing and imaging in microsphere-based microscopy. Optics Express, 2015, 23, 12337.	3.4	57
76	Modulation of photonic nanojets generated by microspheres decorated with concentric rings. Optics Express, 2015, 23, 20096.	3.4	60
77	Image authentication via sparsity-based phase-shifting digital holography. Proceedings of SPIE, 2015, , .	0.8	0
78	Multiplicative-Regularized FFT Twofold Subspace-Based Optimization Method for Inverse Scattering Problems. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 841-850.	6.3	42
79	Reconstruction of scatterers with four different boundary conditions by T-matrix method. Inverse Problems in Science and Engineering, 2015, 23, 601-616.	1.2	6
80	Light interaction with multilayer arbitrary anisotropic structure: an explicit analytical solution and application for subwavelength imaging. Journal of the Optical Society of America B: Optical Physics, 2014, 31, 648.	2.1	4
81	Focusing light for subsurface imaging. , 2014, , .		0
82	Fast Calculation of Scattering by 3-D Inhomogeneities in Uniaxial Anisotropic Multilayers. IEEE Transactions on Antennas and Propagation, 2014, 62, 6365-6374.	5.1	12
83	Singular value decomposition of the current-to-field operator in solving inverse scattering problems. , 2014, , .		1
84	Feature-based filter design for resolution enhancement of known features in microscopy. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2014, 31, 2610.	1.5	3
85	Optical binary image encryption using aperture-key and dual wavelengths. Optics Express, 2014, 22, 28077.	3.4	9
86	Multipole and plane wave expansions of diverging and converging fields. Optics Express, 2014, 22, 8949.	3.4	3
87	Application of T-matrix method in solving mixed boundary separable obstacle problem. Optics Express, 2014, 22, 16273.	3.4	3
88	Fractional Fourier domain optical image hiding using phase retrieval algorithm based on iterative nonlinear double random phase encoding. Optics Express, 2014, 22, 22981.	3.4	43
89	Advances in optical security systems. Advances in Optics and Photonics, 2014, 6, 120.	25.5	434
90	Electromagnetic Response of Anisotropic Laminates to Distributed Sources. IEEE Transactions on Antennas and Propagation, 2014, 62, 247-256.	5.1	18

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91	Through wall imaging: Inverse scattering approach. , 2014, , .		0
92	Double random phase encoding using phase reservation and compression. Journal of Optics (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.2	68
93	Iterative phase retrieval for simultaneously generating two phase-only masks with silhouette removal in interference-based optical encryption. Optics Communications, 2014, 331, 133-138.	2.1	28
94	Arbitrarily modulated beam for phase-only optical encryption. Journal of Optics (United Kingdom), 2014, 16, 105402.	2.2	6
95	Marked ghost imaging. Applied Physics Letters, 2014, 104, .	3.3	78
96	Optical multiple-image authentication based on modified Gerchbergâ€“Saxton algorithm with random sampling. Optics Communications, 2014, 318, 128-132.	2.1	23
97	Optical color-image verification using multiple-pinhole phase retrieval. Journal of Optics (United) Tj ETQq1 1 0.784314 rgBT /Overlock	2.2	14
98	Inverse Scattering Problems of Reconstructing Perfectly Electric Conductors With TE Illumination. IEEE Transactions on Antennas and Propagation, 2013, 61, 4713-4721.	5.1	12
99	Combining microwave imaging and diffusion optical tomography for breast tumor detection. , 2013, , .		1
100	Imaging using cylindrical vector beams in a high-numerical-aperture microscopy system. Optics Letters, 2013, 38, 3111.	3.3	114
101	Optical cryptography network topology based on 2D-to-3D conversion and phase-mask extraction. Optics and Lasers in Engineering, 2013, 51, 410-416.	3.8	8
102	Improving the Performances of the Contrast Source Extended Born Inversion Method by Subspace Techniques. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 391-395.	3.1	17
103	Security-enhanced interference-based optical image encryption. Optics Communications, 2013, 286, 123-129.	2.1	36
104	Optical image encryption based on multiple-region plaintext and phase retrieval in three-dimensional space. Optics and Lasers in Engineering, 2013, 51, 128-133.	3.8	23
105	Ghost imaging for three-dimensional optical security. Applied Physics Letters, 2013, 103, 221106.	3.3	103
106	Phase-Modulated Optical System With Sparse Representation for Information Encoding and Authentication. IEEE Photonics Journal, 2013, 5, 6900113-6900113.	2.0	94
107	Optical encryption using multiple intensity samplings in the axial domain. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2013, 30, 806.	1.5	55
108	High-flexibility optical encryption via aperture movement. Optics Express, 2013, 21, 24680.	3.4	46

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109	Object authentication in computational ghost imaging with the realizations less than 5% of Nyquist limit. Optics Letters, 2013, 38, 546.	3.3	76
110	A complete and computationally efficient numerical model of aplanatic solid immersion lens scanning microscope. Optics Express, 2013, 21, 14316.	3.4	14
111	Rigorous analytical modeling of high-aperture focusing through a spherical interface. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2013, 30, 1426.	1.5	6
112	Simultaneous Reconstruction of Dielectric and Perfectly Conducting Scatterers Via T-Matrix Method. IEEE Transactions on Antennas and Propagation, 2013, 61, 3774-3781.	5.1	18
113	Optical encryption based on 3-D sphere and phase retrieval in gyrator transform domain. , 2013, , .		0
114	Focal-plane detection and object reconstruction in the noninterferometric phase imaging. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2012, 29, 585.	1.5	11
115	Electromagnetic imaging of separable obstacle problem. Optics Express, 2012, 20, 2206.	3.4	13
116	Optical color-image encryption and synthesis using coherent diffractive imaging in the Fresnel domain. Optics Express, 2012, 20, 3853.	3.4	80
117	Multipole theory for tight focusing of polarized light, including radially polarized and other special cases. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2012, 29, 32.	1.5	41
118	Resolution of aplanatic solid immersion lens based microscopy. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2012, 29, 1059.	1.5	11
119	Complete modeling of subsurface microscopy system based on aplanatic solid immersion lens. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2012, 29, 2350.	1.5	13
120	Imaging three-dimensional anisotropic scatterers in multilayered medium by multiple signal classification method with enhanced resolution. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2012, 29, 1900.	1.5	17
121	Interference-based optical image encryption using three-dimensional phase retrieval. Applied Optics, 2012, 51, 6076.	1.8	37
122	Optical image encryption based on phase retrieval combined with three-dimensional particle-like distribution. Journal of Optics (United Kingdom), 2012, 14, 075402.	2.2	34
123	A Compressive-Sensing-Based Phaseless Imaging Method for Point-Like Dielectric Objects. IEEE Transactions on Antennas and Propagation, 2012, 60, 5472-5475.	5.1	37
124	Interpretation of the scattering mechanism for particles in a focused beam. Physical Review A, 2012, 86, .	2.5	16
125	A multi-dimensional sampling method for locating small scatterers. Inverse Problems, 2012, 28, 115004.	2.0	5
126	Imaging small three-dimensional elastic inclusions by an enhanced multiple signal classification method. Journal of the Acoustical Society of America, 2012, 132, 2420-2426.	1.1	3

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127	Analysis of cutoff wavelength of elliptical waveguide by regularized meshless method. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2012, 25, 417-427.	1.9	2
128	Optical image encryption based on coherent diffractive imaging using multiple wavelengths. Optics Communications, 2012, 285, 225-228.	2.1	22
129	Structured-illumination-based lensless diffractive imaging and its application to optical image encryption. Optics Communications, 2012, 285, 2044-2047.	2.1	14
130	Practical applications of multiple signal classification. International Journal of RF and Microwave Computer-Aided Engineering, 2012, 22, 359-369.	1.2	12
131	On a new stable modeling of dyadic Green's functions of electrically uniaxial planar-layered media. , 2011, , .		0
132	Enhancing subspace-based inversions through an efficient multi-scaling scheme. , 2011, , .		0
133	An FFT Twofold Subspace-Based Optimization Method for Solving Electromagnetic Inverse Scattering Problems. IEEE Transactions on Antennas and Propagation, 2011, 59, 914-927.	5.1	77
134	Effect of polarization on a solid immersion lens of arbitrary thickness. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2011, 28, 903.	1.5	10
135	Multiresolution subspace-based optimization method for inverse scattering problems. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2011, 28, 2057.	1.5	63
136	Quantitative phase retrieval of complex-valued specimens based on noninterferometric imaging. Applied Optics, 2011, 50, 2008.	2.1	16
137	Optical double-image cryptography based on diffractive imaging with a laterally-translated phase grating. Applied Optics, 2011, 50, 5750.	2.1	43
138	Optical cryptography topology based on a three-dimensional particle-like distribution and diffractive imaging. Optics Express, 2011, 19, 9008.	3.4	31
139	Inverse scattering problem in presence of a conducting cylinder. Optics Express, 2011, 19, 10698.	3.4	5
140	Dyadic Greenâ€™s function for aplanatic solid immersion lens based sub-surface microscopy. Optics Express, 2011, 19, 19280.	3.4	18
141	Cloaking a sensor for three-dimensional Maxwellâ€™s equations: transformation optics approach. Optics Express, 2011, 19, 20518.	3.4	17
142	IMPLICIT BOUNDARY CONDITIONS IN TRANSFORMATION-OPTICS CLOAKING FOR ELECTROMAGNETICWAVES. Progress in Electromagnetics Research, 2011, 121, 521-534.	4.4	16
143	POLARIZATION-INVARIANT DIRECTIONAL CLOAKING BY TRANSFORMATION OPTICS. Progress in Electromagnetics Research, 2011, 118, 415-423.	4.4	13
144	Subspace-Based Optimization Method for Inverse Scattering Problems Utilizing Phaseless Data. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 981-987.	6.3	43

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145	Guiding Terahertz Waves by a Single Row of Periodic Holes on a Planar Metal Surface. Plasmonics, 2011, 6, 301-305.	3.4	20
146	Optical color image encryption based on an asymmetric cryptosystem in the Fresnel domain. Optics Communications, 2011, 284, 3913-3917.	2.1	81
147	Optical image encryption using multilevel Arnold transform and noninterferometric imaging. Optical Engineering, 2011, 50, 117001.	1.0	21
148	Reconstructing perfectly electric conductors by the subspace-based optimization method with continuous variables. Inverse Problems, 2011, 27, 055011.	2.0	17
149	Optical asymmetric cryptography using a three-dimensional space-based model. Journal of Optics (United Kingdom), 2011, 13, 075404.	2.2	32
150	The investigation of the regularization term in the continuous-parameter subspace based optimization method in reconstructing PEC objects. , 2011, , .		0
151	Multiple signal classification algorithm for non-destructive imaging of reinforcement bars and empty ducts in circular concrete columns. , 2011, , .		5
152	Optical multiple-image encryption based on multiplane phase retrieval and interference. Journal of Optics (United Kingdom), 2011, 13, 115401.	2.2	58
153	OS010-2-1 Optical Cryptography Using a Three-Dimensional Space-Based Strategy and Phase-Shifting Digital Holography. The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics, 2011, 2011.10, _OS010-2-1.	0.0	0
154	OS10F070 Optical Cryptography Using a Three-Dimensional Space-Based Strategy and Phase-Shifting Digital Holography. The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics, 2011, 2011.10, _OS10F070-_OS10F070-.	0.0	0
155	Nondestructive evaluation of nanoscale structures: inverse scattering approach. Applied Physics A: Materials Science and Processing, 2010, 101, 143-146.	2.3	2
156	An Improved Subspace-Based Optimization Method and Its Implementation in Solving Three-Dimensional Inverse Problems. IEEE Transactions on Geoscience and Remote Sensing, 2010, 48, 3763-3768.	6.3	38
157	Subspace-Based Optimization Method for Reconstruction of 2-D Complex Anisotropic Dielectric Objects. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 1065-1074.	4.6	38
158	THROUGH-WALL IMAGING: APPLICATION OF SUBSPACE-BASED OPTIMIZATION METHOD. Progress in Electromagnetics Research, 2010, 102, 351-366.	4.4	19
159	SUBSPACE-BASED OPTIMIZATION METHOD FOR RECONSTRUCTING PERFECTLY ELECTRIC CONDUCTORS. Progress in Electromagnetics Research, 2010, 100, 119-128.	4.4	26
160	Multistage inversion algorithm for biological tissue imaging. Journal of Biomedical Optics, 2010, 15, 016007.	2.6	3
161	Subspace-based optimization method for inverse scattering problems with an inhomogeneous background medium. Inverse Problems, 2010, 26, 074007.	2.0	27
162	Multiple signal classification method for detecting point-like scatterers embedded in an inhomogeneous background medium. Journal of the Acoustical Society of America, 2010, 127, 2392-2397.	1.1	12

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163	A multipole-expansion based linear sampling method for solving inverse scattering problems. Optics Express, 2010, 18, 6366.	3.4	33
164	Blue-shifted contra-directional coupling between a periodic and conventional dielectric waveguides. Optics Express, 2010, 18, 9341.	3.4	1
165	Quantitative phase retrieval of a complex-valued object using variable function orders in the fractional Fourier domain. Optics Express, 2010, 18, 13536.	3.4	24
166	Space-based optical image encryption. Optics Express, 2010, 18, 27095.	3.4	78
167	Optical image encryption based on diffractive imaging. Optics Letters, 2010, 35, 3817.	3.3	306
168	Influence of multiple scattering on subwavelength imaging: transverse electric case. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2010, 27, 245.	1.5	6
169	Comparison among the variants of subspace-based optimization method for addressing inverse scattering problems: transverse electric case. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2010, 27, 2208.	1.5	17
170	Subspace-Based Optimization Method for Solving Inverse-Scattering Problems. IEEE Transactions on Geoscience and Remote Sensing, 2010, 48, 42-49.	6.3	246
171	Phaseless retrieval of point-like scatterers: Theoretical foundation of the subspace method. , 2010, , .		1
172	Application of Differential Evolution to a Two-Dimensional Inverse Scattering Problem. Adaptation, Learning, and Optimization, 2010, , 73-105.	0.6	0
173	Background condition effect and modified SOM with frequency hopping applied in inverse scattering. , 2009, , .		0
174	Application of the Subspace-based Optimization Method in the framework of the Method of Moments: Transverse electric case. , 2009, , .		3
175	Subspace-Based Optimization Method in Electric Impedance Tomography. Journal of Electromagnetic Waves and Applications, 2009, 23, 1397-1406.	1.6	24
176	Interpretation of linear sampling method in terms of induced multipoles. , 2009, , .		0
177	The role of regularization parameter of subspace-based optimization method in solving inverse scattering problems. , 2009, , .		4
178	Twofold subspace-based optimization method for solving inverse scattering problems. Inverse Problems, 2009, 25, 085003.	2.0	65
179	Application of signal-subspace and optimization methods in reconstructing extended scatterers. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2009, 26, 1022.	1.5	61
180	Subspace-based optimization method for reconstructing extended scatterers: transverse electric case. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2009, 26, 1932.	1.5	27

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181	MUSIC electromagnetic imaging with enhanced resolution for small inclusions. Inverse Problems, 2009, 25, 015008.	2.0	67
182	MUSIC imaging applied to total internal reflection tomography. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2008, 25, 357.	1.5	7
183	Signal-subspace method approach to the intensity-only electromagnetic inverse scattering problem. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2008, 25, 2018.	1.5	14
184	Terahertz surface plasmon polaritons on periodically corrugated metal surfaces. Optics Express, 2008, 16, 3326.	3.4	128
185	MUSIC Algorithm for Two-Dimensional Inverse Problems With Special Characteristics of Cylinders. IEEE Transactions on Antennas and Propagation, 2008, 56, 1808-1812.	5.1	31
186	Applicability of MUSIC-Type Imaging in Two-Dimensional Electromagnetic Inverse Problems. IEEE Transactions on Antennas and Propagation, 2008, 56, 3217-3223.	5.1	40
187	Effect of absorption on terahertz surface plasmon polaritons propagating along periodically corrugated metal wires. Physical Review B, 2008, 77, .	3.2	47
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