

Ananda Mohan

List of Publications by Year in descending order

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papers

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46
all docs

46
docs citations

46
times ranked

447
citing authors

#	ARTICLE	IF	CITATIONS
1	Modelling of combination therapy using implantable anticancer drug delivery with thermal ablation in solid tumor. Scientific Reports, 2020, 10, 19366.	3.3	19
2	Implantable Biosensor Interface Platform for Monitoring of Atherosclerosis. , 2020, 4, 1-4.		3
3	Modelling of Implantable Drug Delivery System in Tumor Microenvironment Using Molecular Communication Paradigm. IEEE Access, 2019, 7, 141929-141940.	4.2	8
4	Modeling a Composite Molecular Communication Channel. IEEE Transactions on Communications, 2018, 66, 3420-3433.	7.8	5
5	Advanced Particle Swarm Optimization Algorithm with Improved Velocity Update Strategy. , 2018, , .		11
6	Modeling of Ligand-Receptor Protein Interaction in Biodegradable Spherical Bounded Biological Micro-Environments. IEEE Access, 2018, 6, 25007-25018.	4.2	27
7	Eigenspace Time-Reversal Robust Capon Beamforming for Target Localization in Continuous Random Media. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1605-1608.	4.0	8
8	Cancer Detection in Highly Dense Breasts Using Coherently Focused Time-Reversal Microwave Imaging. IEEE Transactions on Computational Imaging, 2017, 3, 928-939.	4.4	29
9	Modelling of multilayer biological medium under molecular communication paradigm. , 2017, , .		2
10	Techniques for RF localization of wireless capsule endoscopy. , 2016, , .		2
11	Coherent time-reversal microwave imaging for the detection and localization of breast tissue malignancies. Radio Science, 2015, 50, 87-98.	1.6	9
12	Miniaturized Implantable DS-PIFA Antenna for Biomedical Applications. , 2015, , .		0
13	Beamspace time reversal maximum likelihood estimation for microwave breast imaging. , 2014, , .		1
14	Design of a UWB printed G-shaped monopole antenna using characteristic modes. , 2014, , .		3
15	Novel Bridge-Loop Reader for Positioning With HF RFID Under Sparse Tag Grid. IEEE Transactions on Industrial Electronics, 2014, 61, 555-566.	7.9	31
16	Convolutional Perfectly Matched Layer ABC for 3-D LOD-FDTD Using Fundamental Scheme. IEEE Microwave and Wireless Components Letters, 2013, 23, 388-390.	3.2	6
17	Miniaturized E-shaped PIFA antenna for wideband implantable biomedical applications. , 2013, , .		6
18	An efficient two-step CPML for 3-D LOD-FDTD. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
19	Nonorthogonal LOD-FDTD Method for EM Scattering from Two-Dimensional Structures. IEEE Transactions on Electromagnetic Compatibility, 2013, 55, 764-772.	2.2	11
20	Beamspace Time-Reversal Microwave Imaging for Breast Cancer Detection. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 241-244.	4.0	54
21	Miniaturized slot PIFA antenna for tripleband implantable biomedical applications. , 2013, , .		17
22	Coherent time reversal minimum variance beamforming for the localization of tissue malignancies in dense breast phantoms. , 2013, , .		3
23	Beamspace time reversal processing for localization of breast cancer in 3-D phantoms. , 2013, , .		1
24	Breast cancer detection in highly dense numerical breast phantoms using time reversal. , 2013, , .		7
25	Complex natural resonances of dielectric objects embedded in inhomogeneous breast models. , 2012, , .		0
26	Multi-loop-bridge antenna for improved positioning using HF-RFID. , 2012, , .		1
27	Beamspace based time reversal processing for breast cancer detection. , 2012, , .		0
28	A Subspace-Based Compensation Method for the Mutual Coupling in Concentric Circular Ring Arrays for Near-Field Source Localisation. International Journal of Antennas and Propagation, 2012, 2012, 1-13.	1.2	2
29	Segmented-Locally-One-Dimensional-FDTD Method for EM Propagation Inside Large Complex Tunnel Environments. IEEE Transactions on Magnetics, 2012, 48, 223-226.	2.1	32
30	Nonorthogonal locally one dimensional FDTD method. , 2011, , .		0
31	Complex natural resonances for breast tissues with complex morphology. , 2011, , .		2
32	Locally-one-dimensional FDTD for EM scattering from two-dimensional structures. , 2011, , .		1
33	Maximum likelihood near field localisation using concentric circular ring array. , 2010, , .		0
34	RFID reader localization using passive RFID tags. , 2009, , .		9
35	Detection of malignant breast tissues using microwave imaging. , 2009, , .		7
36	Localization of distributed scatterers using time-reversal MUSIC algorithm. , 2007, , .		0

#	ARTICLE	IF	CITATIONS
37	UWB Imaging for Early Breast Cancer Detection using Time Reversal MUSIC Algorithm. , 2007, , .		9
38	A Microparticle Swarm Optimizer for the Reconstruction of Microwave Images. IEEE Transactions on Antennas and Propagation, 2007, 55, 568-576.	5.1	53
39	Localization of 3-D Near-field Electromagnetic Sources Using C-SPRIT. , 2007, , .		1
40	Localization of electromagnetic radiating sources in the near-field of a uniform circular array. , 2006, , .		0
41	Micro-particle swarm optimizer for solving high dimensional optimization problems (î¼PSO for high) Tj ETQq1 1 0.784314 rgBT /Overlo 2.2 32		
42	The performance of dual-band CPW-fed printed antennas for wireless body-worn applications. , 2006, , .		1
43	Impact of Clustering in Indoor MIMO Propagation Using a Hybrid Channel Model. Eurasip Journal on Advances in Signal Processing, 2005, 2005, 1.	1.7	3
44	Analysis of a novel expanded tip wire (ETW) antenna for microwave ablation of cardiac arrhythmias. IEEE Transactions on Biomedical Engineering, 2003, 50, 890-899.	4.2	37
45	Microwave properties of polyaniline-PVC composites. , 1997, , .		0
46	Dielectric Resonators. , 0, , .		0