Books


Book chapters


**Papers in refereed journals**


79. S.A. Tretyakov, T.G. Kharina, A.A. Sochava, Electrodynamics of bianisotropic composites, *Proceedings of St. Petersburg State Technical University, no 2(24), Special Issue: The Department of Radiophysics is going to celebrate its 50th anniversary*, pp. 80-84, 2001 (in Russian).


42. S.A. Tretyakov, Anything wrong with the naturally non-reciprocal materials?, *IEEE Antennas and Propagation Magazine*, vol. 38, no. 2, pp. 84-85, 1996.


33. S.A. Tretyakov, A.J. Viitanen, Waveguide and resonator perturbation techniques measuring chirality and nonreciprocity parameters of bianisotropic materials, *IEEE Transactions on*


18. S.A. Tretyakov, A.J. Viitanen, Perturbation theory for a cavity resonator with a biisotropic sample: applications to measurement techniques, *Microwave and Optical Theory Letters*, vol. 5,


Papers in proceedings of international conferences


216. S. Tretyakov, Possibilities of cloaking and invisibility at microwaves, Abstracts of the International Conference Days on Diffraction'2010, pp. 131-132, St. Petersburg, Russia, June 8-11, 2010 (invited).


196. S. Tretyakov, Some recent developments in subwavelength nanoimaging and detection, Nanometa 2009 Conference Digest, paper TUE3bs.3, the Second European Topical Meeting on Nanophotonics and Metamaterials, Seefeld, Austria, 5-8 January 2009 (invited).


179. S. Tretyakov, Review of possible approaches to electromagnetic cloaking of objects, *NATO Advanced Research Workshop META’08*, p. 27, Marrakech, Morocco, May 7-10, 2008 (invited keynote lecture)


Honolulu, Hawaii, 3-8 June, 2007 (invited).


138. D. Chicherin, S. Dudorov, D. Lioubtchenko, V. Ovchinnikov, S. Tretyakov, A. Räisänen, MEMS-based high-impedance surfaces for millimeter and submillimeter wave applications, Third Workshop on Metamaterials and Special Materials for Electromagnetic Applications and TLC,


126. P. Ikonen, S. Maslovski, S. Tretyakov, On artificial magneto-dielectric substrates with microstrip antennas: The role of frequency dispersion, XXVIIIth General Assembly of International Union of Radio Science (URSI), New Delhi, India, paper BCDP.6(0052).pdf,


114. S.A. Tretyakov, Electromagnetic field energy density in dispersive and lossy metamaterials, 3rd International Conference on Materials for Advanced Technologies (ICMAT 2005), Proc. of


23. S.A. Tretyakov, C.R. Simovski, A.A. Sochava, On the influence of inclusion chirality on reflective properties of planar layers, 4th International Conference on Chiral, Bi-isotropic and Bi-anisotropic Media *Chiral'95*, Pennsylvania State University, USA, pp. 50-59, 1995.


**Patents**


7. L. Jylhä, P. Alitalo, O. Luukkonen, J. Venermo, S. Tretyakov, Structure made of an invisible material, Finnish patent application (Näkymättömästä materiaalista valmistettu rakenne, FI 20070445, 4.6.2007)


**Study books for students**


