

**Lista publikacji**  
z dnia 31 października 2013

**Publikacje w czasopismach**

1. Kowerdziej R., Parka J., Krupka J., Olifierczuk M., Nowinowski – Kruszelnicki E., Jaroszewicz L., Chojnowska O., 2013, ***Dielectric properties of highly anisotropic nematic liquid crystals for tunable microwave components***, *Applied Physics Letters*, 103, 172902
2. Kowerdziej R., Krupka J., Nowinowski – Kruszelnicki E., Olifierczuk M., Parka J., 2013, ***Microwave complex permittivity of voltage – tunable nematic liquid crystals measured in high resistivity silicon transducers***, *Applied Physics Letters*, 102, 102904
3. Czerwiński M., Tykarska M., Dąbrowski R., Chełstowska A., Żurowska M., Kowerdziej R., Jaroszewicz L., 2012, ***The influence of structure and concentration of cyano – terminated and terphenyl dopants on helical pitch and helical twist sense in orthoconic antiferroelectric mixtures***, *Liquid Crystals*, 39(12), 1498 – 1502
4. Kowerdziej R., Olifierczuk M., Salski B., Parka J., 2012, ***Tunable negative index metamaterial employing in – plane switching mode at terahertz frequencies***, *Liquid Crystals*, 39(07), 827 - 831
5. Olifierczuk M., Kowerdziej R., Jaroszewicz L., Czerwiński M., Parka J., 2012, ***Numerical analysis of THz metamaterial with high birefringence liquid crystal***, *Liquid Crystals*, 39(06), 739 – 744
6. Kowerdziej R., Parka J., Nyga P., 2011, ***Tunable liquid crystalline metamaterial structure in GHz range***, *Molecular Crystals and Liquid Crystals*, 545(01), 91 -95
7. Kowerdziej R., Parka J., Krupka J., 2011, ***Experimental study of thermally controlled metamaterial with liquid crystal layer at microwave frequencies***, *Liquid Crystals*, 38(06), 743 – 747
8. Kowerdziej R., Parka J., Nyga P., Salski B., 2011, ***Simulation of a tunable metamaterial with nematic liquid crystal layers***, *Liquid Crystals*, 38(03), 377 – 379
9. Parka J., Kowerdziej R., Romaniuk M., 2011, ***Photorefractive properties of new liquid crystals in near infrared range***, *Liquid Crystals*, 38(01), 25 – 30
10. Parka J., Dąbrowski M., Kowerdziej R., 2011, ***Investigations of twist elastic constant K22 of new nematic liquid crystal materials using threshold IPS method***, *Opto – Electronics Review*, 19(1), 114 – 118
11. Olifierczuk M., Zieliński J., Kowerdziej R., 2009, ***Optimization procedure for liquid crystal display working under high external lighting***, *Molecular Crystals and Liquid Crystals*, 507, 169 - 177