

Contents

About the Special Issue Editor	vii
Preface to "Nanomaterials in Liquid Crystals"	ix
Ingo Dierking Nanomaterials in Liquid Crystals Reprinted from: <i>Nanomaterials</i> 2018 , 8, 453, doi: 10.3390/nano8070453	1
Yuriy Garbovskiy and Anatoliy Glushchenko Ferroelectric Nanoparticles in Liquid Crystals: Recent Progress and Current Challenges Reprinted from: <i>Nanomaterials</i> 2017 , 7, 361, doi: 10.3390/nano7110361	5
Seyyed Muhammad Salili, Matthew Worden, Ahlam Nemati, Donald W. Miller and Torsten Hegmann Synthesis of Distinct Iron Oxide Nanomaterial Shapes Using Lyotropic Liquid Crystal Solvents Reprinted from: <i>Nanomaterials</i> 2017 , 7, 211, doi: 10.3390/nano7080211	25
Wenjiang Ye, Rui Yuan, Yayu Dai, Lin Gao, Ze Pang, Jiliang Zhu, Xiangshen Meng, Zhenghong He, Jian Li, Minglei Cai, Xiaoyan Wang and Hongyu Xing Improvement of Image Sticking in Liquid Crystal Display Doped with γ -Fe ₂ O ₃ Nanoparticles Reprinted from: <i>Nanomaterials</i> 2018 , 8, 5, doi: 10.3390/nano8010005	42
Yuriy Garbovskiy Kinetics of Ion-Capturing/Ion-Releasing Processes in Liquid Crystal Devices Utilizing Contaminated Nanoparticles and Alignment Films Reprinted from: <i>Nanomaterials</i> 2018 , 8, 59, doi: 10.3390/nano802059	55
Weiwei Tie, Surjya Sarathi Bhattacharyya, Yuanhao Gao, Zhi Zheng, Eun Jeong Shin, Tae Hyung Kim, MinSu Kim, Joong Hee Lee and Seung Hee Lee Dynamic Response of Graphitic Flakes in Nematic Liquid Crystals: Confinement and Host Effect Reprinted from: <i>Nanomaterials</i> 2017 , 7, 250, doi: 10.3390/nano7090250	66
Ingo Dierking and Shakhawan Al-Zangana Lyotropic Liquid Crystal Phases from Anisotropic Nanomaterials Reprinted from: <i>Nanomaterials</i> 2017 , 7, 305, doi: 10.3390/nano7100305	76
Charles N. Melton, Sheida T. Riahinassab, Amir Keshavarz, Benjamin J. Stokes and Linda S. Hirst Phase Transition-Driven Nanoparticle Assembly in Liquid Crystal Droplets Reprinted from: <i>Nanomaterials</i> 2018 , 8, 146, doi: 10.3390/nano8030146	104
Jan Grzelak, Maciej Żuk, Martyna Tupikowska and Wiktor Lewandowski Modifying Thermal Switchability of Liquid Crystalline Nanoparticles by Alkyl Ligands Variation Reprinted from: <i>Nanomaterials</i> 2018 , 8, 147, doi: 10.3390/nano8030147	115
Yali Lin, Yujie Yang, Yuwei Shan, Lingli Gong, Jingzhi Chen, Sensen Li and Lujian Chen Magnetic Nanoparticle-Assisted Tunable Optical Patterns from Spherical Cholesteric Liquid Crystal Bragg Reflectors Reprinted from: <i>Nanomaterials</i> 2017 , 7, 376, doi: 10.3390/nano7110376	132

Ziping Chen, Dechun Hu, Xingwu Chen, Deren Zeng, Yungjui Lee, Xiaoxian Chen and Jiangang Lu	
Templated Sphere Phase Liquid Crystals for Tunable Random Lasing	
Reprinted from: <i>Nanomaterials</i> 2017 , <i>7</i> , 392, doi: 10.3390/nano7110392	141