

## Personal Information

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## Research Areas

Pharmacology and Therapeutics, Biomedical Engineering, Chemical Engineering and Technology, Life Sciences

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Tailored Synthesis of Iron Oxide Nanocrystals for Formation of Cuboid Mesocrystals**  
SORAN ERDEM Z., Sharma V. K. , Hernandez-Martinez P. L. , DEMİR H. V.  
ACS OMEGA, vol.6, no.31, pp.20351-20360, 2021 (Journal Indexed in SCI)
- II. **A new class of cubic SPIONs as a dual-mode T1 and T2 contrast agent for MRI**  
Alipour A., Soran-Erdem Z., Utkur M., Sharma V. K. , ALGIN O., Saritas E. U. , Demir H. V.  
MAGNETIC RESONANCE IMAGING, vol.49, pp.16-24, 2018 (Journal Indexed in SCI)
- III. **Colloidal Nanocrystals Embedded in Macrocrystals: Methods and Applications**  
Adam M., Gaponik N., Eychmueller A., ERDEM T., Soran-Erdem Z., Demir H. V.  
JOURNAL OF PHYSICAL CHEMISTRY LETTERS, vol.7, no.20, pp.4117-4123, 2016 (Journal Indexed in SCI)
- IV. **High-Stability, High-Efficiency Organic Monoliths Made of Oligomer Nanoparticles Wrapped in Organic Matrix**  
Soran-Erdem Z., ERDEM T., Gungor K., Pennakalathil J., Tuncel D., Demir H. V.  
ACS NANO, vol.10, no.5, pp.5333-5339, 2016 (Journal Indexed in SCI)
- V. **Fluorescent Heterodoped Nanotetrapods as Synergistically Enhancing Positive and Negative Magnetic Resonance Imaging Contrast Agents**  
Sharma V. K. , Alipour A., Soran-Erdem Z., Kelestemur Y., Aykut Z. G. , Demir H. V.  
ACS APPLIED MATERIALS & INTERFACES, vol.8, no.19, pp.12352-12359, 2016 (Journal Indexed in SCI)
- VI. **Excitonic improvement of colloidal nanocrystals in salt powder matrix for quality lighting and color enrichment**  
ERDEM T., Soran-Erdem Z., Kelestemur Y., Gaponik N., Demir H. V.  
OPTICS EXPRESS, vol.24, no.2, 2016 (Journal Indexed in SCI)
- VII. **Implementation of High-Quality Warm-White Light-Emitting Diodes by a Model-Experimental Feedback Approach Using Quantum Dot-Salt Mixed Crystals**  
Adam M., ERDEM T., Stachowski G. M. , Soran-Erdem Z., Lox J. F. L. , Bauer C., Poppe J., Demir L. V. , Gaponik N., Eychmueller A.  
ACS APPLIED MATERIALS & INTERFACES, vol.7, no.41, pp.23364-23371, 2015 (Journal Indexed in SCI)
- VIII. **Macrocrystals of Colloidal Quantum Dots in Anthracene: Exciton Transfer and Polarized Emission**  
Soran-Erdem Z., ERDEM T., Hernandez-Martinez P. L. , Akgul M. Z. , Gaponik N., Demir H. V.  
JOURNAL OF PHYSICAL CHEMISTRY LETTERS, vol.6, no.9, pp.1767-1772, 2015 (Journal Indexed in SCI)
- IX. **Liquid-Liquid Diffusion-Assisted Crystallization: A Fast and Versatile Approach Toward High Quality Mixed Quantum Dot-Salt Crystals**  
Adam M., Wang Z., Dubavik A., Stachowski G. M. , Meerbach C., Soran-Erdem Z., Rengers C., Demir H. V. , Gaponik N., Eychmueller A.  
ADVANCED FUNCTIONAL MATERIALS, vol.25, no.18, pp.2638-2645, 2015 (Journal Indexed in SCI)

- X. **Sweet plasmonics: Sucrose macrocrystals of metal nanoparticles**  
ERDEM T., Soran-Erdem Z., Hernandez-Martinez P. L. , Sharma V. K. , Akcali H., Akcali I., Gaponik N., Eychmueller A., Demir H. V.  
NANO RESEARCH, vol.8, no.3, pp.860-869, 2015 (Journal Indexed in SCI)
- XI. **Stable and efficient colour enrichment powders of nonpolar nanocrystals in LiCl**  
ERDEM T., Soran-Erdem Z., Sharma V. K. , Kelestemur Y., Adam M., Gaponik N., Demir H. V.  
NANOSCALE, vol.7, no.42, pp.17611-17616, 2015 (Journal Indexed in SCI)
- XII. **Highly monodisperse low-magnetization magnetite nanocubes as simultaneous T-1-T-2 MRI contrast agents**  
Sharma V. K. , Alipour A., Soran-Erdem Z., Aykut Z. G. , Demir H. V.  
NANOSCALE, vol.7, no.23, pp.10519-10526, 2015 (Journal Indexed in SCI)
- XIII. **Energy-saving quality road lighting with colloidal quantum dot nanophosphors**  
ERDEM T., Kelestemur Y., Soran-Erdem Z., Ji Y., Demir H. V.  
NANOPHOTONICS, vol.3, no.6, pp.373-381, 2014 (Journal Indexed in SCI)
- XIV. **Bioactive self-assembled peptide nanofibers for corneal stroma regeneration**  
Uzunalli G., Soran Z., Erkal T. S. , Dagdas Y. S. , Dinc E., HONDUR A. M. , Bilgihan K., AYDIN B., Guler M. O. , Tekinay A. B.  
ACTA BIOMATERIALIA, vol.10, no.3, pp.1156-1166, 2014 (Journal Indexed in SCI)
- XV. **Label-Free Nanometer-Resolution Imaging of Biological Architectures through Surface Enhanced Raman Scattering**  
Ayas S., Cinar G., Ozkan A. D. , Soran Z., Ekiz O., Kocaay D., Tomak A., Toren P., Kaya Y., Tunc I., et al.  
SCIENTIFIC REPORTS, vol.3, 2013 (Journal Indexed in SCI)
- XVI. **Chitosan scaffolds with BMP-6 loaded alginate microspheres for periodontal tissue engineering**  
Soran Z., Aydin R. S. T. , GÜMÜŞDERELİOĞLU M.  
JOURNAL OF MICROENCAPSULATION, vol.29, no.8, pp.770-780, 2012 (Journal Indexed in SCI)

## Citations

Total Citations (WOS):311

h-index (WOS):11