

Dr. Konstantinos Brintakis Publications 21/12/2019 (h-index 6, 175 citations):

1. A. Lappas, G. Antonaropoulos, K. Brintakis, M. Vasilakaki, K. N. Trohidou, V. Iannotti, G. Ausanio, A. Kostopoulou, M. Abeykoon, I. K. Robinson, E. S. Bozin, "Vacancy-Driven Noncubic Local Structure and Magnetic Anisotropy Tailoring in $\text{Fe}_x\text{O}-\text{Fe}_{3-\delta}\text{O}_4$ Nanocrystals", *Phys. Rev. X*, **2019**, *9*, 041044
2. A. Kostopoulou, K. Brintakis, N. K. Nasikas, E. Stratakis, "Perovskite nanocrystals for energy conversion and storage", *Nanophotonics*, **2019**, *8* (10), 1607-1640
3. K. Brintakis, E. Gagaoudakis, A. Kostopoulou, V. Faka, K. Argyrou, V. Binas, G. Kiriakidis, E. Stratakis, "Ligand-free all-inorganic metal halide nanocubes for fast, ultra-sensitive and self-powered ozone sensors", *Nanoscale Advances*, **2019**, *1*, 2699-2706
4. A. Kostopoulou, K. Brintakis, E. Fragogeorgi, A. Anthousi, L. Manna, S. Begin-Colin, C. Billotey, A. Ranella, G. Loudos, I. Athanassakis, A. Lappas, "Iron Oxide Colloidal Nanoclusters as Theranostic Vehicles and Their Interactions at the Cellular Level", *Nanomaterials*, **2018**, *8* (5), 315.
5. A. Kostopoulou, M. Sygletou, K. Brintakis, A. Lappas, E. Stratakis, "Low-temperature Benchtop-synthesis of All-inorganic Perovskite Nanowires", *Nanoscale*, **2017**, *9*, 18202 - 18207.
6. D. Sakellari, K. Brintakis, A. Kostopoulou, E. Myrovali, K. Simeonidis, A. Lappas and M. Angelakeris, "Ferrimagnetic Nanocrystal Assemblies as Versatile Magnetic Particle Hyperthermia Mediators", *Materials Science and Engineering: C*, **2016**, *58*, 187-193.
7. N.V. Kuchkina, D.G. Morgan, A. Kostopoulou, A. Lappas, K. Brintakis, B.S. Boris, E.Y. Yuzik-Klimov, B.D. Stein, D.I. Svergun, A. Spilotros, M.G. Sulman, L. Zh. Nikoshvili, E.M. Sulman, Z.B. Shifrina, L.M. Bronstein, "Hydrophobic Periphery Tails of Polyphenylenepyridyl Dendrons Control Nanoparticle Formation and Catalytic Properties", *Chem. Mater.*, **2014**, *26*, 5654–5663.
8. A. Kostopoulou, S. K. P. Velu, K. Thangavel, F. Orsini, K. Brintakis, S. Psycharakis, A. Ranella, L. Bordonali, A. Lappas, A. Lascialfari, "Colloidal Assemblies of Oriented Maghemite Nanocrystals and their NMR Relaxometric Properties", *Dalton Trans.*, **2014**, *43*, 8395.
9. A. Kostopoulou, K. Brintakis, M. Vasilakaki, K. N. Trohidou, A. P. Douvalis, A. Lascialfari, L. Manna, A. Lappas, "Assembly-mediated interplay of dipolar interactions and surface spin disorder in colloidal maghemite Nanoclusters", *Nanoscale*, **2014**, *6*, 3764. (Editor's choice as a "Hot Article")
10. A. Kostopoulou, K. Brintakis, A. Lascialfari, M. Angelakeris, M. Vasilakaki, K. Trohidou, A. P. Douvalis, S. Psycharakis, A. Ranella, L. Manna, A. Lappas, "Iron-oxide colloidal nanoclusters: From fundamental physical properties to diagnosis and therapy", (Conference Paper), *Progress in Biomedical Optics and Imaging - Proceedings of SPIE*, **2014**, *8955*, 895517.
11. N. Siadou, I. Panagiotopoulos, N. Kourkoumelis, T. Bakas, K. Brintakis, and A. Lappas, "Electric and Magnetic Properties of Sputter Deposited BiFeO_3 Films", *Adv. Mater. Sci. Eng.*, vol. 2013, Article ID 857465, 6 pages, **2013**. doi:10.1155/2013/857465