



Member Publications
October 2011 – April 2017

- Publications supported directly by CSNE funding.

Amir Alimohammad

- Hennessy, A. and Alimohammad, A., Design and mplementation of a digital secure code-shifted reference UWB transmitter and receiver, IEEE Transactions on Circuits and Systems I: Regular papers, March 2017, pp. 1-10.

Polina Anikeeva

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- Chen, R., Christiansen, M.G. and Anikeeva, P., Maximizing hysteretic losses in magnetic ferrite nanoparticles via model-driven synthesis and materials optimization. ACS Nano, 7:8990-9000, 2013.

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- Birmingham, K., Gradinaru, V., Anikeeva, P., Grill, W.M., Pikov, V., McLaughlin, B., Pasricha, P., Weber, D., Ludwig, K., Famm, K., Bioelectronic medicines: a research roadmap. Nat Rev Drug Discov., 13:399-400, 2014.
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- Loynachan, C.N., Romero, G., Christiansen, M.G., Chen, R., Ellison, R., O'Malley, T.T., Froriep, U.P., Walsh, D.M. and Anikeeva, P., Targeted magnetic nanoparticles for remote magnetothermal disruption of amyloid- β aggregates. *Adv Healthc Mater.* 2015 Aug 19. doi: 10.1002/adhm.201500487
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- Matsumoto, Y., Chen, R., Anikeeva, P., and Jasanoff, A. Engineering intracellular biomineralization and biosensing by a magnetic protein. *Nat Commun.* 2015 Nov 2;6:8721.
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Askkan Ashrafi

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Les Atlas

2012

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Howard Chizeck

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Eric Chudler

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Horacio de la Iglesia

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Tom Daniel

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Felix Darvas

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Adrienne Fairhall

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