

## Murat Baday

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### Publications

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#### PUBLICATIONS

- **Photonic crystals: emerging biosensors and their promise for point-of-care applications.** *Chemical Society reviews*  
Inan, H., Poyraz, M., Inci, F., Lifson, M. A., Baday, M., Cunningham, B. T., Demirci, U.  
2017; 46 (2): 366-388
- **Probing the Heterogeneity of Protein Kinase Activation in Cells by Super-resolution Microscopy** *ACS NANO*  
Zhang, R., Fruhwirth, G. O., Coban, O., Barrett, J. E., Burgoyne, T., Lee, S. H., Simonson, P. D., Baday, M., Kholodenko, B. N., Futter, C. E., Ng, T., Selvin, P. R.  
2017; 11 (1): 249-257
- **Advances in biosensing strategies for HIV-1 detection, diagnosis, and therapeutic monitoring** *ADVANCED DRUG DELIVERY REVIEWS*  
Lifson, M. A., Ozen, M. O., Inci, F., Wang, S., Inan, H., Baday, M., Henrich, T. J., Demirci, U.  
2016; 103: 90-104
- **Integrating Cell Phone Imaging with Magnetic Levitation (i-LEV) for Label-Free Blood Analysis at the Point-of-Living.** *Small*  
Baday, M., Calamak, S., Durmus, N. G., Davis, R. W., Steinmetz, L. M., Demirci, U.  
2016; 12 (9): 1222-1229
- **Multitarget, quantitative nanoplasmonic electrical field-enhanced resonating device (NE2RD) for diagnostics.** *Proceedings of the National Academy of Sciences of the United States of America*  
Inci, F., Filippini, C., Baday, M., Ozen, M. O., Calamak, S., Durmus, N. G., Wang, S., Hanhauser, E., Hobbs, K. S., Juillard, F., Kuang, P. P., Vetter, M. L., Carocci, et al  
2015; 112 (32): E4354-63
- **Multitarget, quantitative nanoplasmonic electrical field-enhanced resonating device ((NERD)-R-2) for diagnostics** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*  
Inci, F., Filippini, C., Baday, M., Ozen, M. O., Calamak, S., Durmus, N. G., Wang, S., Hanhauser, E., Hobbs, K. S., Juillard, F., Kuang, P. P., Vetter, M. L., Carocci, et al  
2015; 112 (32): E4354-E4363