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- Google Scholar Profile: https://scholar.google.com/citations?hl=en&user=FKVGmfwAAAAJ&view_op=list_works&gmla=AJsN-F4OInmFQz2AR0aD0VsKnfJ3HuGGoav-aB-egKsC2Opa-Z6y0KUUlpIhXhvVAiOIr-tBO5G6jQnf-Zv6CUTruqbXlvJ1A
- Research Gate: <https://www.researchgate.net/profile/Ani-Baghdasaryan>

Publications

PUBLICATIONS

- **Intratumor injected gold molecular clusters for NIR-II imaging and cancer therapy.** *Proceedings of the National Academy of Sciences of the United States of America*
Baghdasaryan, A., Liu, H., Ren, F., Hsu, R., Jiang, Y., Wang, F., Zhang, M., Grigoryan, L., Dai, H.
2024; 121 (5): e2318265121
- **Shortwave-infrared-light-emitting probes for the in vivo tracking of cancer vaccines and the elicited immune responses.** *Nature biomedical engineering*
Ren, F., Wang, F., Baghdasaryan, A., Li, Y., Liu, H., Hsu, R., Wang, C., Li, J., Zhong, Y., Salazar, F., Xu, C., Jiang, Y., Ma, et al
2023
- **Phosphorylcholine-conjugated gold-molecular clusters improve signal for Lymph Node NIR-II fluorescence imaging in preclinical cancer models.** *Nature communications*
Baghdasaryan, A., Wang, F., Ren, F., Ma, Z., Li, J., Zhou, X., Grigoryan, L., Xu, C., Dai, H.
2022; 13 (1): 5613
- **In vivo non-invasive confocal fluorescence imaging beyond 1,700 nm using superconducting nanowire single-photon detectors.** *Nature nanotechnology*
Wang, F., Ren, F., Ma, Z., Qu, L., Gourgues, R., Xu, C., Baghdasaryan, A., Li, J., Zadeh, I. E., Los, J. W., Fognini, A., Qin-Dregely, J., Dai, et al
2022
- **Molecule-like and lattice vibrations in metal clusters** *PHYSICAL CHEMISTRY CHEMICAL PHYSICS*
Ramankutty, K., Yang, H., Baghdasaryan, A., Teyssier, J., Nicu, V., Buerge, T.
2022; 24 (22): 13848-13859
- **High-precision tumor resection down to few-cell level guided by NIR-IIb molecular fluorescence imaging.** *Proceedings of the National Academy of Sciences of the United States of America*
Wang, F., Qu, L., Ren, F., Baghdasaryan, A., Jiang, Y., Hsu, R., Liang, P., Li, J., Zhu, G., Ma, Z., Dai, H.
2022; 119 (15): e2123111119