

Papers in referred international journals:

1. A. Szenes, D. Vass, B. Bánhelyi, M. Csete: „*Enhancing diamond color center fluorescence via optimized configurations of plasmonic core - shell nanoresonator dimers*“, ACS Omega **8/44** (2023) 41356-41362, <https://doi.org/10.1021/acsomega.3c04902>
2. D. Vass, A. Szenes, B. Bánhelyi, G. Szabó, M. Csete: "Plasmonically enhanced superradiance of broken-symmetry diamond color center arrays inside core-shell nanoresonators", Nanomaterials **12/3** (2022) 352, <https://doi.org/10.3390/nano12030352>
3. D. Vass, A. Szenes, B. Bánhelyi, T. Csendes, G. Szabó, M. Csete: "Superradiant diamond color center arrays coupled to concave plasmonic nanoresonators", Optics Express, **22/28** (2019) 31176. <https://doi.org/10.1364/OE.27.031176> .
4. A. Szenes, B. Bánhelyi, T. Csendes, G. Szabó, M. Csete: "Enhancing diamond fluorescence via optimized nanorod dimer configurations", Plasmonics **13** (2018) 1977-1985, <https://doi.org/10.1007/s11468-018-0713-7>.
5. A. Szenes, B. Bánhelyi, L. Zs. Szabó, G. Szabó, T. Csendes, M. Csete: "Improved emission of SiV diamond color centers embedded into concave plasmonic core-shell nanoresonators", NPG Scientific Reports **7** (2017) 13845, <https://doi.org/10.1038/s41598-017-14227-w>.
6. A. Szenes, B. Bánhelyi, L. Zs. Szabó, G. Szabó, T. Csendes, M. Csete: "Enhancing diamond color center fluorescence via optimized plasmonic nanorod configuration", Plasmonics **12/4** (2017) 1263-1280, <https://doi.org/10.1007/s11468-016-0384-1>.

Refereed conference proceedings, book-chapters:

1. M. Csete, D. Vass, A. Szenes, B. Bánhelyi, T. Csendes, G. Szabó: “*Plasmon enhanced fluorescence characteristics government by selecting the right objective function*”, talk at COMSOL 2018 conference, paper in proceeding: <https://uk.comsol.com/paper/plasmon-enhanced-fluorescence-characteristics-government-by-selecting-the-right--64931>
2. M. Csete, A. Szenes, D. Vass, B. Bánhelyi, T. Csendes, G. Szabó: “*SiV diamond color center fluorescence improvement via silica-silver core-shell nanoresonators*”, IEEE RAPID conference 2018, talk, proceeding paper 349-352: <https://ieeexplore.ieee.org/document/8509009>, <https://doi.org/10.1109/RAPID.2018.8509009>
3. M. Csete, A. Szenes, D. Vass, B. Bánhelyi, T. Csendes, G. Szabó: “*Enhanced fluorescence of nitrogen vacancy diamond color center via monomer and dimer core-shell nanoresonators*”, OSA Advanced Photonics congress 2018, talk, paper in ISBN: 978-1-943580-43-9 proceeding: <https://doi.org/10.1364/NOMA.2018.NoTh4D.3>