

**Cost-effective screen printing approach for Ce/Nd-doped ZnAl<sub>2</sub>O<sub>4</sub> films: tuning crystallinity induced by the substrate**  
**Rojas Hernandez, Rocio Estefania; Rubio-Marcos, Fernando; Necib, Jallouli; Danilson, Mati; Fernandez, Jose Francisco; Hussainova, Irina** Physical chemistry chemical physics 2023 / p. 15829-15838 <https://doi.org/10.1039/D3CP02005C> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Development of Rare-Earth-Free Zinc Silicate as a Novel Deep UV Emitter : Synthesis Strategies and Luminescent Properties = Haruldaste muldmetailide vaba tsinksilikaadi kui uue süva-UV kiirguri arendus : sünteesistrateegiad ja luminesentsents omadused**  
**Necib, Jallouli** 2025 <https://digikogu.taltech.ee/et/Item/67078497-d42a-4e55-8a09-d665a3a023b1> <https://doi.org/10.23658/taltech.63/2025> [https://www.ester.ee/record=b5754738\\*est](https://www.ester.ee/record=b5754738*est)

**Effect of silica precursor on the synthesis of Zn<sub>2</sub>SiO<sub>4</sub>-based material**  
**Rojas Hernandez, Rocio Estefania; Hussainova, Irina; Necib, Jallouli** Proceedings of the Estonian Academy of Sciences 2025 / p. 217-221 <https://doi.org/10.3176/proc.2025.2.24>

**Elucidating reaction mechanism by molten salt of potential rare-earth-free Zn<sub>2</sub>SiO<sub>4</sub> UV-B emitter: Insights into morphology and emission features**  
**Necib, Jallouli; Feldbach, Eduard; Romet, Ivo; Nagirnyi, Vitali; Hussainova, Irina; Jüstel, Thomas; Rojas Hernandez, Rocio Estefania** Ceramics international 2025 / p. 34922-34931 : ill <https://doi.org/10.1016/j.ceramint.2025.05.212>

**Erratum: A feasible pathway to stabilize monoclinic and tetragonal phase coexistence in barium titanate-based ceramics (J. Mater. Chem. C (2022) 10 (17743–17756) DOI: 10.1039/D2TC04265G)**  
**Necib, Jallouli;** Lopez-Sanchez, Jesus; Rubio-Marcos, Fernando; Serrano, Aida; Navarro, Elena; Pena, Alvaro; Taoufik, Mnasri; Smari, Mourad; **Rojas Hernandez, Rocio Estefania;** Carmona, Noemi; Marín, Pilar Journal of materials chemistry C 2023 / p. 2397 <https://doi.org/10.1039/d3tc90020g> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A feasible pathway to stabilize monoclinic and tetragonal phase coexistence in barium titanate-based ceramics**  
**Necib, Jallouli;** Lopez-Sanchez, Jesus; Rubio-Marcos, Fernando; Serrano, Aida; Navarro, Elena; Pena, Alvaro; Taoufik, Mnasri; Smari, Mourad; **Rojas Hernandez, Rocio Estefania;** Carmona, Noemi; Marín, Pilar Journal of materials chemistry C 2022 / p. 17743-17756 <https://doi.org/10.1039/D2TC04265G> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Implementing a sol-gel route to adjust the structural and dielectric characteristics of Bi and Fe co-doped BaTiO<sub>3</sub> ceramics**  
Gouadria, Hamida; Mourad, Smari; Mnasri, Taoufik; **Necib, Jallouli;** López Sánchez, Jesús; Marín, Pilar; Jamale, Atul P.; Ben Younes, Rached Inorganic chemistry communications 2023 / art. 110241 <https://doi.org/10.1016/j.inoche.2022.110241> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Investigation of deep UV emission of rare-earth-free Zn<sub>2</sub>SiO<sub>4</sub> micropowders : the correlation of structural and luminescence properties**  
**Necib, Jallouli;** Feldbach, Eduard; Romet, Ivo; Nagirnyi, Vitali; **Hussainova, Irina; Rojas Hernandez, Rocio Estefania** Journal of luminescence 2025 / art. 121070 <https://doi.org/10.1016/j.jlumin.2025.121070>

**Spectroscopic properties, conduction processes and the Summerfield scaling of barium titanate ceramics based on Bi and Fe**  
Gouadria, Hamida; Mnasri, Taoufik; Jamale, Atul P.; López Sánchez, Jesús; **Necib, Jallouli;** Marín, Pilar; Carmona, Noemi; Smari, Mourad Inorganic chemistry communications 2023 / art. 111417 <https://doi.org/10.1016/j.inoche.2023.111417> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)