

December 16, 2019

Dataset

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Dataset for Surface Enhanced Raman Spectroscopy for quantitative analysis: results of a large-scale European multi-instrument interlaboratory study

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<https://orcid.org/0000-0001-6218-8393> REST API
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Features

OAI-PMH

This dataset contains all the spectra used in "Surface Enhanced Raman Spectroscopy for quantitative analysis: results of a large-scale European multi-instrument interlaboratory study". Data are available in 2 different infrastructure formats:

<http://about.zenodo.org>

- 1 compressed archive with 1 folder ("Dataset") containing all the 3516 TXT

files (1 file = 1 spectrum) uploaded by all participants (all spectra of the

interlaboratory study)

<http://about.zenodo.org>

- 1 single CSV file ("ILSspectra.csv") with all the 3516 spectra uploaded by all

participants in the form of a table. The data are structured as follow, with

<http://about.zenodo.org>

each row being 1 spectrum, preceded by metadata: "labcode", "substrate",

122

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(<https://explore.openaire.eu/search/dataset?datasetId=r37b0ad08687::e89ec275c45e729310948b15b7e0a109>)

Publication date:

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Keyword(s):

SERS

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(/search?q=keywords

%3A%22Raman%22)

Interlaboratory study

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
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method", "sample", "type", "conc", "batch", "replica". Note that for those spectra starting after 400 cm⁻¹ and/or ending before 2000 cm⁻¹ missing values were expressed as NAs.

Funded by

This dataset is based upon work from COST Action Raman4Clinics – Raman-based applications for clinical diagnostics (BM1401), supported by COST (European Cooperation in Science and Technology) – www.cost.eu (<https://ec.europa.eu/programmes/horizon2020/>)

Regression

(/search?q=keywords%3A%22Regression%22)


Silver nanoparticles

(/search?q=keywords%3A%22Silver+nanoparticle%22)

Related identifiers:

Supplement to
10.1021/acs.analchem.9b05658 (<https://doi.org/10.1021/10.1021/acs.analchem.9b05658>)
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 Dataset.zip 

technology.web.cern.ch/about/computer-centre/Invenio (<http://www.invenio.org/>)

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