

# Frank C Smith

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6148232/publications.pdf>

Version: 2024-02-01

6  
papers

113  
citations

1478505

6  
h-index

1872680

6  
g-index

6  
all docs

6  
docs citations

6  
times ranked

181  
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel multivariate curve resolution-alternating least squares (MCR-ALS) methodology for application in hyperspectral Raman imaging analysis. <i>Analyst, The</i> , 2019, 144, 5425-5438.	3.5	27
2	Spatial and spectral resolution of carbonaceous material from hematite ( $\text{Fe}_2\text{O}_3$ ) using multivariate curve resolution-alternating least squares (MCR-ALS) with Raman microspectroscopic mapping: implications for the search for life on Mars. <i>Analyst, The</i> , 2017, 142, 3140-3156.	3.5	20
3	Multivariate Curve Resolution-Alternating Least Squares (MCR-ALS) with Raman Imaging Applied to Lunar Meteorites. <i>Applied Spectroscopy</i> , 2018, 72, 404-419.	2.2	20
4	Shock-metamorphosed rutile grains containing the high-pressure polymorph $\text{TiO}_2$ -II in four Neoproterozoic spherule layers. <i>Geology</i> , 2016, 44, 775-778.	4.4	18
5	Raman Microspectroscopic Mapping with Multivariate Curve Resolution-Alternating Least Squares (MCR-ALS) Applied to the High-Pressure Polymorph of Titanium Dioxide, $\text{TiO}_2$ -II. <i>Applied Spectroscopy</i> , 2017, 71, 1816-1833.	2.2	18
6	Raman microspectroscopic mapping with multivariate curve resolution-alternating least squares (MCR-ALS) of the high-pressure, $\text{Fe-PbO}_2$ -structured polymorph of titanium dioxide, $\text{TiO}_2$ -II. <i>Chemical Data Collections</i> , 2017, 9-10, 35-43.	2.3	10