Valentina Erastova

List of Publications by Year
in descending order

13	549	840776 11	1125743 13
papers	citations	h-index	g-index

13	13	13	710
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Molecular Dynamic Simulations of Montmorilloniteâ€“Organic Interactions under Varying Salinity: An Insight into Enhanced Oil Recovery. Journal of Physical Chemistry C, 2015, 119, 7282-7294.	3.1	100
2	Mineral surface chemistry control for origin of prebiotic peptides. Nature Communications, 2017, 8, 2033.	12.8	85
3	Wetting Effects and Molecular Adsorption at Hydrated Kaolinite Clay Mineral Surfaces. Journal of Physical Chemistry C, 2016, 120, 11433-11449.	3.1	70
4	The Future of Origin of Life Research: Bridging Decades-Old Divisions. Life, 2020, 10, 20.	2.4	63
5	Understanding Model Crude Oil Component Interactions on Kaolinite Silicate and Aluminol Surfaces: Toward Improved Understanding of Shale Oil Recovery. Energy & Fuels, 2018, 32, 1155-1165.	5.1	62
6	Ion Adsorption at Clay-Mineral Surfaces: The Hofmeister Series for Hydrated Smectite Minerals. Clays and Clay Minerals, 2016, 64, 472-487.	1.3	52
7	A method for automatic shale porosity quantification using an Edge-Threshold Automatic Processing (ETAP) technique. Fuel, 2021, 304, 121319.	6.4	27
8	Easy creation of polymeric systems for molecular dynamics with Assemble!. Computer Physics Communications, 2016, 202, 304-309.	7.5	22
9	Understanding surface interactions in aqueous miscible organic solvent treated layered double hydroxides. RSC Advances, 2017, 7, 5076-5083.	3.6	19
10	Insights into the behaviour of biomolecules on the early Earth: The concentration of aspartate by layered double hydroxide minerals. Geochimica Et Cosmochimica Acta, 2016, 176, 239-258.	3.9	18
11	Aqueous immiscible layered double hydroxides: synthesis, characterisation and molecular dynamics simulation. Chemical Communications, 2018, 54, 4394-4397.	4.1	18
12	A computational study of the mechanism of the unimolecular elimination of Î±,Î²-unsaturated aldehydes in the gas phase. Journal of Molecular Modeling, 2011, 17, 21-26.	1.8	11
13	DynDen: Assessing convergence of molecular dynamics simulations of interfaces. Computer Physics Communications, 2021, 269, 108126.	7.5	2