Alena Kuznetsova

List of Publications by Year in Descending Order

14 papers	984 citations	12 h-index	16 g-index
16 ext. papers	1,112 ext. citations	5 avg, IF	3.67 L-index

#	Paper	IF	Citations
14	Layered materials as nanocontainers for active corrosion protection: A brief review. *Applied Clay Science*, **2022**, 225, 106537	5.2	1
13	Elucidating Structure–Property Relationships in Aluminum Alloy Corrosion Inhibitors by Machine Learning. *Journal of Physical Chemistry C*, **2020**, 124, 5624-5635	3.8	14
12	A novel bilayer system comprising LDH conversion layer and sol-gel coating for active corrosion protection of AA2024. *Corrosion Science*, **2018**, 143, 299-313	6.8	49
11	Antimicrobial activity of 2-mercaptobenzothiazole released from environmentally friendly nanostructured layered double hydroxides. *Journal of Applied Microbiology*, **2017**, 122, 1207-1218	4.7	14
10	Effects of a novel anticorrosion engineered nanomaterial on the bivalve Ruditapes philippinarum. *Environmental Science: Nano*, **2017**, 4, 1064-1076	7.1	14
9	A computational UV–Vis spectroscopic study of the chemical speciation of 2-mercaptobenzothiazole corrosion inhibitor in aqueous solution. *Theoretical Chemistry Accounts*, **2016**, 135, 1	1.9	14
8	Polyelectrolyte-modified layered double hydroxide nanocontainers as vehicles for combined inhibitors. *RSC Advances*, **2015**, 5, 39916-39929	3.7	64
7	Silica-Based Nanocoating Doped by Layered Double Hydroxides to Enhance the Paperboard Barrier Properties. *World Journal of Nano Science and Engineering*, **2015**, 05, 126-139	0	4
6	Thermal Behavior of Layered Double Hydroxide Zn–Al–Pyrovanadate: Composition, Structure Transformations, and Recovering Ability. *Journal of Physical Chemistry C*, **2013**, 117, 4152-4157	3.8	24
5	Evaluation of self-healing ability in protective coatings modified with combinations of layered double hydroxides and cerium molibdate nanocontainers filled with corrosion inhibitors. *Electrochimica Acta*, **2012**, 60, 31-40	6.7	222
4	Zn–Al layered double hydroxides as chloride nanotraps in active protective coatings. *Corrosion Science*, **2012**, 55, 1-4	6.8	201
3	Comparative X-ray diffraction and infrared spectroscopy study of Zn–Al layered double hydroxides: Vanadate vs nitrate. *Chemical Physics*, **2012**, 397, 102-108	2.3	45
2	Enhancement of active corrosion protection via combination of inhibitor-loaded nanocontainers. *ACS Applied Materials & Interfaces*, **2010**, 2, 1528-35	9.5	266
1	Anion exchange in Zn–Al layered double hydroxides: In situ X-ray diffraction study. *Chemical Physics Letters*, **2010**, 495, 73-76	2.5	51