

Anna Yu Romanchuk

List of Publications by Year in descending order

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48
papers

1,348
citations

361045

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344852

36
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all docs

50
docs citations

50
times ranked

1595
citing authors

#	ARTICLE	IF	CITATIONS
1	Effective coordination numbers from EXAFS: general approaches for lanthanide and actinide dioxides. Journal of Synchrotron Radiation, 2022, 29, 288-294.	1.0	14
2	To form or not to form: PuO ₂ nanoparticles at acidic pH. Environmental Science: Nano, 2022, 9, 1509-1518.	2.2	7
3	High Surface Area 3D Graphene Oxide for Enhanced Sorption of Radionuclides. Advanced Materials Interfaces, 2022, 9, .	1.9	7
4	The Application of HEXS and HERFD XANES for Accurate Structural Characterisation of Actinide Nanomaterials: The Case of ThO ₂ . Chemistry - A European Journal, 2021, 27, 252-263.	1.7	24
5	The Application of HEXS and HERFD XANES for Accurate Structural Characterisation of Actinide Nanomaterials: The Case of ThO ₂ . Chemistry - A European Journal, 2021, 27, 5-5.	1.7	5
6	Insight into the structure-property relationship of UO ₂ nanoparticles. Inorganic Chemistry Frontiers, 2021, 8, 1102-1110.	3.0	12
7	Partitioning of uranium in contaminated bottom sediments: The meaning of fractionation. Journal of Environmental Radioactivity, 2021, 229-230, 106539.	0.9	3
8	Sorption of ¹³⁷ Cs and ⁹⁰ Sr on Organic Sorbents. Applied Sciences (Switzerland), 2021, 11, 11531.	1.3	1
9	New insights into the mechanism of graphene oxide and radionuclide interaction. Carbon, 2020, 158, 291-302.	5.4	37
10	U(VI) sorption onto natural sorbents. Journal of Radioanalytical and Nuclear Chemistry, 2020, 326, 293-301.	0.7	17
11	Speciation of Uranium and Plutonium From Nuclear Legacy Sites to the Environment: A Mini Review. Frontiers in Chemistry, 2020, 8, 630.	1.8	40
12	Enhanced Sorption of Radionuclides by Defect-Rich Graphene Oxide. ACS Applied Materials & Interfaces, 2020, 12, 45122-45135.	4.0	50
13	The missing pieces of the PuO ₂ nanoparticle puzzle. Nanoscale, 2020, 12, 18039-18048.	2.8	28
14	Function of Colloidal and Nanoparticles in the Sorption of Radionuclides. , 2020, , 151-176.		3
15	A Novel Metastable Pentavalent Plutonium Solid Phase on the Pathway from Aqueous Plutonium(VI) to PuO ₂ Nanoparticles. Angewandte Chemie, 2019, 131, 17722-17726.	1.6	5
16	A Novel Metastable Pentavalent Plutonium Solid Phase on the Pathway from Aqueous Plutonium(VI) to PuO ₂ Nanoparticles. Angewandte Chemie - International Edition, 2019, 58, 17558-17562.	7.2	37
17	Cesium Sorption and Desorption on Glauconite, Bentonite, Zeolite and Diatomite. Minerals (Basel, Tj ETQq1 1 0.784314 rgBJ/Overloct 0.8 47		
18	A Novel Metastable Pentavalent Plutonium Solid Phase on the Pathway from Aqueous Plutonium(VI) to PuO ₂ Nanoparticles (Angew. Chem. 49/2019). Angewandte Chemie, 2019, 131, 18044-18044.	1.6	0

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19	Size Effects in Nanocrystalline Thoria. <i>Journal of Physical Chemistry C</i> , 2019, 123, 23167-23176.	1.5	19
20	Sorption of radionuclides onto minerals: Experiments and modelling. <i>E3S Web of Conferences</i> , 2019, 98, 10006.	0.2	1
21	Mutual impact of reservoir sands and acidic liquid radioactive waste. <i>E3S Web of Conferences</i> , 2019, 98, 10008.	0.2	0
22	Understanding the size effects on the electronic structure of ThO ₂ nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 10635-10643.	1.3	23
23	Eu(III) sorption onto various montmorillonites: Experiments and modeling. <i>Applied Clay Science</i> , 2019, 175, 22-29.	2.6	22
24	Sorption of Eu (III) onto Nano-Sized H-Titanates of Different Structures. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 697.	1.3	6
25	Towards the surface hydroxyl species in CeO ₂ nanoparticles. <i>Nanoscale</i> , 2019, 11, 18142-18149.	2.8	41
26	Np(V) uptake by various clays. <i>Applied Geochemistry</i> , 2018, 92, 1-8.	1.4	9
27	Sorption behavior and speciation of AmIII in orthophosphates of rare-earth elements. <i>Mendeleev Communications</i> , 2018, 28, 303-305.	0.6	6
28	Cs+ sorption onto Kutch clays: Influence of competing ions. <i>Applied Clay Science</i> , 2018, 166, 88-93.	2.6	28
29	Redox-mediated formation of plutonium oxide nanoparticles. <i>Dalton Transactions</i> , 2018, 47, 11239-11244.	1.6	16
30	Sorption of Am III onto orthophosphates of the rare-earth elements with different crystal structures. <i>Mendeleev Communications</i> , 2017, 27, 188-191.	0.6	6
31	Np(V) uptake by bentonite clay: Effect of accessory Fe oxides/hydroxides on sorption and speciation. <i>Applied Geochemistry</i> , 2017, 78, 74-82.	1.4	10
32	The role of colloid particles in the albumin-lanthanides interaction: The study of aggregation mechanisms. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 146, 507-513.	2.5	6
33	Photoreduction of Pu(V,VI) by TiO ₂ . <i>Radiochimica Acta</i> , 2016, 104, 843-851.	0.5	5
34	Interaction of plutonium with iron- and chromium-containing precipitates under the conditions of reservoir bed for liquid radioactive waste. <i>Radiochemistry</i> , 2016, 58, 662-667.	0.2	5
35	Behavior of plutonium in the environment. <i>Russian Chemical Reviews</i> , 2016, 85, 995-1010.	2.5	24
36	Solubility of Nanocrystalline Cerium Dioxide: Experimental Data and Thermodynamic Modeling. <i>Journal of Physical Chemistry C</i> , 2016, 120, 22615-22626.	1.5	89

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37	Cs(I) and Sr(II) Sorption onto Graphene Oxide. Solvent Extraction and Ion Exchange, 2016, 34, 594-602.	0.8	37
38	Determination of the secondary phases at the acidic LNW disposal. MRS Advances, 2016, 1, 4053-4059.	0.5	1
39	Rapid method for the purification of graphene oxide. RSC Advances, 2015, 5, 50365-50371.	1.7	16
40	Sorption of actinides onto nanodiamonds. Radiochimica Acta, 2015, 103, 205-211.	0.5	12
41	Partitioning and speciation of Pu in the sedimentary rocks aquifer from the deep liquid nuclear waste disposal. Radiochimica Acta, 2015, 103, 175-185.	0.5	12
42	Actinides sorption onto hematite: experimental data, surface complexation modeling and linear free energy relationship. Radiochimica Acta, 2014, 102, 303-310.	0.5	23
43	Am(III) sorption onto TiO ₂ samples with different crystallinity and varying pore size distributions. Applied Geochemistry, 2014, 42, 69-76.	1.4	17
44	Formation of crystalline PuO ₂ ·nH ₂ O nanoparticles upon sorption of Pu(V,VI) onto hematite. Geochimica Et Cosmochimica Acta, 2013, 121, 29-40.	1.6	44
45	Graphene oxide for effective radionuclide removal. Physical Chemistry Chemical Physics, 2013, 15, 2321.	1.3	361
46	Origin of long-range orientational pore ordering in anodic films on aluminium. Journal of Materials Chemistry, 2012, 22, 11922.	6.7	57
47	Regularities of the sorption behavior of actinide ions on mineral colloid particles. Russian Journal of General Chemistry, 2011, 81, 2029-2038.	0.3	2
48	Plutonium sorption onto hematite colloids at femto- and nanomolar concentrations. Radiochimica Acta, 2011, 99, 137-144.	0.5	49