

# Elliot A Roth

## List of Publications by Year in descending order

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18  
papers

754  
citations

687363

13  
h-index

839539

18  
g-index

20  
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20  
docs citations

20  
times ranked

1040  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enrichment of rare earth elements from coal and coal by-products by physical separations. <i>Fuel</i> , 2017, 200, 506-520.	6.4	134
2	Application of sequential extraction and hydrothermal treatment for characterization and enrichment of rare earth elements from coal fly ash. <i>Fuel</i> , 2018, 232, 124-133.	6.4	110
3	Nanoclay-Based Solid Sorbents for CO <sub>2</sub> Capture. <i>Energy &amp; Fuels</i> , 2013, 27, 4129-4136.	5.1	80
4	Simple Fabrication Method for Mixed Matrix Membranes with in Situ MOF Growth for Gas Separation. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 24784-24790.	8.0	77
5	Organic and inorganic associations of rare earth elements in central Appalachian coal. <i>International Journal of Coal Geology</i> , 2017, 179, 295-301.	5.0	63
6	Separation of carbon dioxide from flue gas by mixed matrix membranes using dual phase microporous polymeric constituents. <i>Chemical Communications</i> , 2016, 52, 11768-11771.	4.1	53
7	Analysis of rare earth elements in coal fly ash using laser ablation inductively coupled plasma mass spectrometry and scanning electron microscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2018, 143, 1-11.	2.9	36
8	Highly cross-linked polyether-based 1,2,3-triazolium ion conducting membranes with enhanced gas separation properties. <i>European Polymer Journal</i> , 2016, 84, 65-76.	5.4	35
9	Clickable poly(ionic liquid)s for modification of glass and silicon surfaces. <i>Polymer</i> , 2014, 55, 3330-3338.	3.8	30
10	Rare Earth Elements in Alberta Oil Sand Process Streams. <i>Energy &amp; Fuels</i> , 2017, 31, 4714-4720.	5.1	28
11	Crosslinked poly(ethylene oxide) containing siloxanes fabricated through thiol-ene photochemistry. <i>Journal of Polymer Science Part A</i> , 2015, 53, 1548-1557.	2.3	23
12	Eutectic ionic liquid mixtures and their effect on CO <sub>2</sub> solubility and conductivity. <i>RSC Advances</i> , 2015, 5, 51407-51412.	3.6	15
13	Resolution of rare earth element interferences in fossil energy by-product samples using sector-field ICP-MS. <i>Fuel</i> , 2016, 185, 94-101.	6.4	15
14	Low glass transition temperature poly(ionic liquid) prepared from a new quaternary ammonium cationic monomer. <i>Polymers for Advanced Technologies</i> , 2015, 26, 823-828.	3.2	11
15	Ionic liquid regioisomers: structure effect on the thermal and physical properties. <i>New Journal of Chemistry</i> , 2015, 39, 1563-1566.	2.8	10
16	Effect of Pre-reaction Ball Milling on Kinetics of Lanthanum Phosphate Roasting with Sodium Carbonate. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 6088-6096.	3.7	10
17	Leaching of lanthanide and yttrium from a Central Appalachian coal and the ashes obtained at 550-950°C. <i>Journal of Rare Earths</i> , 2022, 40, 807-814.	4.8	6
18	Investigation of Thulium and Other Rare Earth Element Mass Fractions in NIST SRM 1632a Bituminous Coal Reference Material by Quadrupole ICP-MS. <i>Geostandards and Geoanalytical Research</i> , 2018, 42, 263-269.	3.1	5