

# Chirag K Vyas

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4747410/publications.pdf>

Version: 2024-02-01

19  
papers

155  
citations

1478505

6  
h-index

1199594

12  
g-index

19  
all docs

19  
docs citations

19  
times ranked

200  
citing authors

#	ARTICLE	IF	CITATIONS
1	A 2D DNA Lattice as an Ultrasensitive Detector for Beta Radiations. ACS Applied Materials & Interfaces, 2014, 6, 2974-2979.	8.0	32
2	Red Blood Cell Membrane Bioengineered Zr-89 Labelled Hollow Mesoporous Silica Nanosphere for Overcoming Phagocytosis. Scientific Reports, 2019, 9, 7419.	3.3	31
3	Online optical monitor of alpha radiations using a polymeric solid state nuclear track detector CR-39. Sensors and Actuators B: Chemical, 2012, 161, 697-701.	7.8	16
4	Development of optical monitor of alpha radiations based on CR-39. Applied Radiation and Isotopes, 2013, 81, 184-189.	1.5	16
5	Tetraethyl ammonium hydroxide (TEAH) as etchant of CR-39 for the determination of fluence of alpha particles. Nuclear Instruments & Methods in Physics Research B, 2014, 325, 47-53.	1.4	10
6	A novel approach for preferential recovery of Sr from (Sr, Th)O <sub>2</sub> . Journal of Hazardous Materials, 2012, 241-242, 340-347.	12.4	7
7	Acid resistant zirconium phosphate for the long term application of <sup>68</sup> Ge/ <sup>68</sup> Ga generator system. Applied Radiation and Isotopes, 2016, 118, 343-349.	1.5	6
8	Determination of alpha activity in organic solvents using CR-39. Applied Radiation and Isotopes, 2013, 78, 68-71.	1.5	5
9	Perchloric acid: A promising medium for the chromatographic separation of <sup>90</sup> Y from <sup>90</sup> Sr. Separation and Purification Technology, 2014, 124, 179-185.	7.9	5
10	Synthesis and evaluation of triphenylphosphonium conjugated <sup>18</sup> F-labeled silica nanoparticles for PET imaging. Journal of Radioanalytical and Nuclear Chemistry, 2018, 316, 1099-1106.	1.5	5
11	Separation of <sup>90</sup> Y from <sup>90</sup> Sr using sequential multiple column extraction chromatography. Journal of Radioanalytical and Nuclear Chemistry, 2014, 300, 445-450.	1.5	4
12	Phosphonates as alternative to tributyl phosphate for the separation of actinides from fission products. Radiochimica Acta, 2015, 103, 277-285.	1.2	4
13	One-pot synthesis of chelator-free <sup>89</sup> Zr-incorporated hierarchical hematite nanoclusters for in vitro evaluation. Journal of Nanoparticle Research, 2019, 21, 1.	1.9	4
14	Recovery and purification of Sr(II) in perchloric acid medium. Journal of Radioanalytical and Nuclear Chemistry, 2013, 295, 1737-1742.	1.5	3
15	Harvesting <sup>62</sup> Zn from an aqueous cocktail at the NSCL. New Journal of Chemistry, 2020, 44, 20861-20870.	2.8	3
16	Distribution behavior of U(VI), Am(III) and Eu(III) on diglycolamide based extraction chromatographic resin in perchloric acid medium. Journal of Radioanalytical and Nuclear Chemistry, 2013, 298, 1643-1650.	1.5	2
17	Chitosan-TiO <sub>2</sub> composite: A potential <sup>68</sup> Ge/ <sup>68</sup> Ga generator column material. Applied Radiation and Isotopes, 2019, 149, 206-213.	1.5	2
18	Preferential leaching of Sr from mixed (Th/Sr) oxide. Desalination and Water Treatment, 2014, 52, 476-480.	1.0	0

#	ARTICLE	IF	CITATIONS
19	Regioselective Iodination of Electron-Rich Coumarin Derivatives using Benzyltrimethylammonium Dichloriodate with Zinc Chloride. Bulletin of the Korean Chemical Society, 2017, 38, 808-811.	1.9	0