

# Mohamed Naji

## List of Publications by Year in descending order

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27  
papers

370  
citations

759233

12  
h-index

794594

19  
g-index

27  
all docs

27  
docs citations

27  
times ranked

626  
citing authors

#	ARTICLE	IF	CITATIONS
1	A low-temperature synthesis method for $\text{AnO}_2$ nanocrystals (An = Th, U, Np, and Pu) and associate solid solutions. CrystEngComm, 2018, 20, 4614-4622.	2.6	40
2	Thermal diffusivity and conductivity of thorium- uranium mixed oxides. Journal of Nuclear Materials, 2018, 500, 381-388.	2.7	33
3	An original approach for Raman spectroscopy analysis of radioactive materials and its application to americium-containing samples. Journal of Raman Spectroscopy, 2015, 46, 750-756.	2.5	30
4	On the Role of the Electrical Field in Spark Plasma Sintering of $\text{UO}_{2+x}$ . Scientific Reports, 2017, 7, 46625.	3.3	29
5	Laser-induced oxidation of $\text{UO}_2$ : A Raman study. Journal of Raman Spectroscopy, 2018, 49, 878-884.	2.5	28
6	Further insights into the chemistry of the Bi-U-O system. Dalton Transactions, 2016, 45, 7847-7855.	3.3	27
7	Glasses formation, characterization, and crystal-structure determination in the $\text{Bi}_2\text{O}_3\text{-Sb}_2\text{O}_3\text{-TeO}_2$ system prepared in an air. Journal of Materials Science, 2011, 46, 5439-5446.	3.7	23
8	Raman study of the oxidation in (U, Pu) $\text{O}_2$ as a function of Pu content. Journal of Nuclear Materials, 2017, 495, 484-491.	2.7	23
9	Iron titanium phosphates as high-specific-capacity electrode materials for lithium ion batteries. Journal of Alloys and Compounds, 2014, 585, 434-441.	5.5	22
10	Structural Relaxation Dynamics and Annealing Effects of Sodium Silicate Glass. Journal of Physical Chemistry B, 2013, 117, 5757-5764.	2.6	17
11	Fingerprint of local disorder in long range ordered isometric pyrochlores. Scientific Reports, 2017, 7, 12269.	3.3	17
12	In Situ High-Temperature Probing of the Local Order of a Silicate Glass and Melt during Structural Relaxation. Journal of Physical Chemistry C, 2015, 119, 8838-8848.	3.1	14
13	Joint Raman spectroscopic and quantum chemical analysis of the vibrational features of $\text{Cs}_2\text{RuO}_4$ . Journal of Raman Spectroscopy, 2015, 46, 661-668.	2.5	11
14	Chemically stabilized $\hat{\Gamma}$ - $\text{Bi}_2\text{O}_3$ phase: Raman scattering and X-ray diffraction studies. Oriental Journal of Chemistry, 2016, 32, 47-57.	0.3	10
15	The Raman fingerprint of plutonium dioxide: Some example applications for the detection of $\text{PuO}_2$ in host matrices. Journal of Nuclear Materials, 2018, 499, 268-271.	2.7	10
16	Raman Scattering from Decoupled Phonon and Electron States in $\text{NpO}_2$ . Journal of Physical Chemistry C, 2016, 120, 4799-4805.	3.1	9
17	The behaviour of parent and daughter nuclides in aerosols released in radiological dispersion events: a study of a $\text{SrTiO}_3$ source. Journal of Raman Spectroscopy, 2017, 48, 549-559.	2.5	6
18	Synthesis, structure refinement and vibrational spectroscopy studies of the $\text{Bi}_{1-x}\text{Ta}_x\text{Te}_2\text{O}_4$ ( $0 \leq x \leq 0.2$ ) solid solution with stibiotantalite type structure. Materials Chemistry and Physics, 2012, 135, 4.0 241-248.		5

#	ARTICLE	IF	CITATIONS
19	Solid-liquid equilibria in the ThO <sub>2</sub> – ZrO <sub>2</sub> system: An experimental study. Journal of Nuclear Materials, 2019, 521, 99-108.	2.7	5
20	Heating Rate Effect on the Activation of Viscoelastic Relaxation in Silicate Glasses. Physics Procedia, 2013, 48, 125-131.	1.2	3
21	Sol-gel synthesis and structural study of a lithium titanate phase Li <sub>3</sub> La <sub>2/3</sub> x – j <sub>1/3-2x</sub> TiO <sub>3</sub> as solid electrolyte. IOP Conference Series: Materials Science and Engineering, 2021, 1160, 012005.	0.6	3
22	A Novel Technique for Raman Analysis of Highly Radioactive Samples Using Any Standard Micro-Raman Spectrometer. Journal of Visualized Experiments, 2017, , .	0.3	2
23	Irradiation of thorium-bearing molten fluoride salt in graphite crucibles. Nuclear Engineering and Design, 2021, 375, 111094.	1.7	2
24	Insight into the structure – elastic property relationship of calcium silicate glasses: a multi-length scale approach. Physical Chemistry Chemical Physics, 2021, 23, 17973-17983.	2.8	1
25	Low temperature treatment and structural characterization of Na <sub>2</sub> M <sub>2</sub> Fe(PO <sub>4</sub> ) <sub>3</sub> (M= Mn or Ni) Alluaudite phases. IOP Conference Series: Materials Science and Engineering, 2021, 1160, 012004.	0.6	0
26	AnO <sub>2</sub> Nanocrystals via Hydrothermal Decomposition of Actinide Oxalates. , 0, , .		0
27	Insight into the Crystal Structures and Physical Properties of the Uranium Borides UB <sub>1.78</sub> ±0.02, UB <sub>3.61</sub> ±0.041 and UB <sub>11.19</sub> ±0.13. Minerals (Basel, Switzerland), 2022, 12, 29.	2.0	0