

# Muath Nairat

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5451155/publications.pdf>

Version: 2024-02-01

19  
papers

1,120  
citations

933410

10  
h-index

888047

17  
g-index

22  
all docs

22  
docs citations

22  
times ranked

1746  
citing authors

#	ARTICLE	IF	CITATIONS
1	Green synthesis of iron nanoparticles and their application as a Fenton-like catalyst for the degradation of aqueous cationic and anionic dyes. <i>Chemical Engineering Journal</i> , 2011, 172, 258-266.	12.7	671
2	Chitosan fiber-supported zero-valent iron nanoparticles as a novel sorbent for sequestration of inorganic arsenic. <i>RSC Advances</i> , 2013, 3, 7828.	3.6	115
3	H <sub>2</sub> roaming chemistry and the formation of H <sub>3</sub> <sup>+</sup> from organic molecules in strong laser fields. <i>Nature Communications</i> , 2018, 9, 5186.	12.8	73
4	Mechanisms and time-resolved dynamics for trihydrogen cation (H <sub>3</sub> <sup>+</sup> ) formation from organic molecules in strong laser fields. <i>Scientific Reports</i> , 2017, 7, 4703.	3.3	62
5	Incorporation of iron nanoparticles into clinoptilolite and its application for the removal of cationic and anionic dyes. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 21, 1143-1151.	5.8	46
6	Ultrafast Dynamics of a $\pi$ -Super $\pi$ -Photobase. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 14742-14746.	13.8	36
7	Investigating the role of human serum albumin protein pocket on the excited state dynamics of indocyanine green using shaped femtosecond laser pulses. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 5872-5877.	2.8	27
8	Substituent effects on H <sub>3</sub> <sup>+</sup> formation via H <sub>2</sub> roaming mechanisms from organic molecules under strong-field photodissociation. <i>Journal of Chemical Physics</i> , 2018, 149, 244310.	3.0	27
9	Controlling S <sub>2</sub> Population in Cyanine Dyes Using Shaped Femtosecond Pulses. <i>Journal of Physical Chemistry A</i> , 2016, 120, 1876-1885.	2.5	11
10	Comparison of the Energy-Transfer Rates in Structural and Spectral Variants of the B800 $\pi$ 850 Complex from Purple Bacteria. <i>Journal of Physical Chemistry B</i> , 2020, 124, 1460-1469.	2.6	11
11	Mimicking Microbial Rhodopsin Isomerization in a Single Crystal. <i>Journal of the American Chemical Society</i> , 2019, 141, 1735-1741.	13.7	10
12	Ultrafast Dynamics of a $\pi$ -Super $\pi$ -Photobase. <i>Angewandte Chemie</i> , 2018, 130, 14958-14962.	2.0	7
13	Order of Magnitude Dissociative Ionization Enhancement Observed for Pulses with High Order Dispersion. <i>Journal of Physical Chemistry A</i> , 2016, 120, 8529-8536.	2.5	6
14	Femtosecond real-time probing of reactions MMXVII: The predissociation of sodium iodide in the A <sup>0+</sup> state. <i>Chemical Physics Letters</i> , 2017, 683, 121-127.	2.6	6
15	Ultrafast energy transfer between lipid-linked chromophores and plant light-harvesting complex II. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 19511-19524.	2.8	6
16	Time-resolved signatures across the intramolecular response in substituted cyanine dyes. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 14085-14095.	2.8	5
17	Binary-phase compression of stretched pulses. <i>Journal of Optics (United Kingdom)</i> , 2017, 19, 105506.	2.2	1
18	Titelbild: Ultrafast Dynamics of a $\pi$ -Super $\pi$ -Photobase ( <i>Angew. Chem.</i> 45/2018). <i>Angewandte Chemie</i> , 2018, 130, 14869-14869.	2.0	0

#	ARTICLE	IF	CITATIONS
19	Mimicking Microbial Rhodopsin Isomerization. Biophysical Journal, 2018, 114, 577a.	0.5	0