

# Raffaello Papadakis

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2267336/publications.pdf>

Version: 2024-02-01

34  
papers

1,125  
citations

567144

15  
h-index

454834

30  
g-index

34  
all docs

34  
docs citations

34  
times ranked

1241  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mono- and Di-Quaternized 4,4'-Bipyridine Derivatives as Key Building Blocks for Medium- and Environment-Responsive Compounds and Materials. <i>Molecules</i> , 2020, 25, 1.	1.7	302
2	Review on Graphene-, Graphene Oxide-, Reduced Graphene Oxide-Based Flexible Composites: From Fabrication to Applications. <i>Materials</i> , 2022, 15, 1012.	1.3	211
3	The excited state antiaromatic benzene ring: a molecular Mr Hyde?. <i>Chemical Society Reviews</i> , 2015, 44, 6472-6493.	18.7	126
4	Metal-free photochemical silylations and transfer hydrogenations of benzenoid hydrocarbons and graphene. <i>Nature Communications</i> , 2016, 7, 12962.	5.8	58
5	Structural and Magnetic Characterization of a Tetranuclear Copper(II) Cubane Stabilized by Intramolecular Metal Cation- $\pi$ Interactions. <i>Inorganic Chemistry</i> , 2013, 52, 5824-5830.	1.9	48
6	Electrochemical Water Oxidation and Stereoselective Oxygen Atom Transfer Mediated by a Copper Complex. <i>Chemistry - A European Journal</i> , 2018, 24, 5213-5224.	1.7	37
7	Synthesis and characterization of new azobenzene-containing bis pentacyanoferrate(II) stoppered push-pull [2]rotaxanes, with $\beta$ - and $\gamma$ -cyclodextrin. Towards highly medium responsive dyes. <i>Dyes and Pigments</i> , 2015, 113, 709-722.	2.0	27
8	Solvatochromism and Preferential Solvation of 4-Pentacyanoferrate 4'-Aryl Substituted Bipyridinium Complexes in Binary Mixtures of Hydroxylic and Non-hydroxylic Solvents. <i>Journal of Solution Chemistry</i> , 2011, 40, 1108-1125.	0.6	26
9	Superior adhesion of graphene nanoscrolls. <i>Communications Physics</i> , 2018, 1, .	2.0	24
10	White-Light Photoassisted Covalent Functionalization of Graphene Using 2-Propanol. <i>Small Methods</i> , 2017, 1, 1700214.	4.6	22
11	Study of the correlations of the MLCT Vis absorption maxima of 4-pentacyanoferrate-4'-arylsubstituted bispyridinium complexes with the Hammett substituent parameters and the solvent polarity parameters $\epsilon$ and AN. <i>Journal of Physical Organic Chemistry</i> , 2009, 22, 515-521.	0.9	21
12	Spectroscopic investigation of the solvatochromic behavior of a new synthesized non symmetric viologen dye: Study of the solvent-solute interactions. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 2253-2259.	1.9	21
13	Preferential Solvation of a Highly Medium Responsive Pentacyanoferrate(II) Complex in Binary Solvent Mixtures: Understanding the Role of Dielectric Enrichment and the Specificity of Solute-Solvent Interactions. <i>Journal of Physical Chemistry B</i> , 2016, 120, 9422-9433.	1.2	20
14	Synthesis and characterization of a group of new medium responsive non-symmetric viologens. Chromotropism and structural effects. <i>Dyes and Pigments</i> , 2012, 95, 478-484.	2.0	17
15	Supramolecular complexes involving non-symmetric viologen cations and hexacyanoferrate(II) anions. A spectroscopic, crystallographic and computational study. <i>RSC Advances</i> , 2016, 6, 575-585.	1.7	17
16	Experimental observation of size-dependent behavior in surface energy of gold nanoparticles through atomic force microscope. <i>Applied Physics Letters</i> , 2018, 113, .	1.5	15
17	Synthesis, characterisation and photoswitchability of a new [2]rotaxane of $\beta$ -cyclodextrin with a diazobenzene containing $\pi$ -conjugated molecular dumbbell. <i>Supramolecular Chemistry</i> , 2012, 24, 333-343.	1.5	14
18	The solvatochromic behavior and degree of ionicity of a synthesized pentacyano (N-substituted-4,4'-bipyridinium) ferrate(II) complex in different media. Tuning the solvatochromic intensity in aqueous glucose solutions. <i>Chemical Physics</i> , 2014, 430, 29-39.	0.9	14

#	ARTICLE	IF	CITATIONS
19	Poly(vinyl pyridine) and Its Quaternized Derivatives: Understanding Their Solvation and Solid State Properties. <i>Polymers</i> , 2022, 14, 804.	2.0	13
20	Photoconductive properties of a $\beta$ -conjugated $\beta$ -cyclodextrin containing [2]rotaxane and its corresponding molecular dumbbell. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 3497.	1.3	12
21	Click Chemistry Enabling Covalent and Non-Covalent Modifications of Graphene with (Poly)saccharides. <i>Polymers</i> , 2021, 13, 142.	2.0	12
22	Nanoresolution patterning of hydrogenated graphene by electron beam induced C-H dissociation. <i>Nanotechnology</i> , 2018, 29, 415304.	1.3	11
23	Moiré patterns arising from bilayer graphone/graphene superlattice. <i>Nano Research</i> , 2020, 13, 1060-1064.	5.8	11
24	Cyclopropyl Group: An Excited-State Aromaticity Indicator?. <i>Chemistry - A European Journal</i> , 2017, 23, 13684-13695.	1.7	10
25	Synthesis and (fluoro)solvatochromism of two 3-styryl-2-pyrazoline derivatives bearing benzoic acid moiety: A spectral, crystallographic and computational study. <i>Journal of Molecular Liquids</i> , 2021, 331, 115737.	2.3	10
26	Study of the preferential solvation effects in binary solvent mixtures with the use of intensely solvatochromic azobenzene involving [2]rotaxane solutes. <i>Journal of Molecular Liquids</i> , 2019, 274, 715-723.	2.3	9
27	Graphene-Oxide-Based Fluoro- and Chromo-Genic Materials and Their Applications. <i>Molecules</i> , 2022, 27, 2018.	1.7	5
28	Solute-centric versus indicator-centric solvent polarity parameters in binary solvent mixtures. Determining the contribution of local solvent basicity to the solvatochromism of a pentacyanoferrate(II) dye. <i>Journal of Molecular Liquids</i> , 2017, 241, 211-221.	2.3	4
29	Photoconductive Interlocked Molecules and Macromolecules. , 2018, , .		4
30	Fabrication of BP2T functionalized graphene via non-covalent $\pi$ - $\pi$ stacking interactions for enhanced ammonia detection. <i>RSC Advances</i> , 2021, 11, 35982-35987.	1.7	2
31	Direct measurement of the surface energy of single-walled carbon nanotubes through atomic force microscopy. <i>Journal of Applied Physics</i> , 2019, 126, 065105.	1.1	1
32	Solvent Effects in Supramolecular Systems. , 2020, , .		1
33	Probing Solvation Effects in Binary Solvent Mixtures with the Use of Solvatochromic Dyes. , 0, , .		0
34	Introductory Chapter: Dyes and Pigments - Past, Present, and Future. , 0, , .		0