

# Michaela Fridrichová

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4137016/publications.pdf>

Version: 2024-02-01

32  
papers

323  
citations

840776

11  
h-index

888059

17  
g-index

32  
all docs

32  
docs citations

32  
times ranked

569  
citing authors

#	ARTICLE	IF	CITATIONS
1	Laser-ablation-assisted SF <sub>6</sub> decomposition for extensive and controlled fluorination of graphene. Carbon, 2019, 145, 419-425.	10.3	25
2	Guanylurea(1+) hydrogen phosphite: a novel promising phase-matchable material for second harmonic generation. CrystEngComm, 2010, 12, 2054.	2.6	24
3	Monitoring the doping of graphene on SiO <sub>2</sub> /Si substrates during the thermal annealing process. RSC Advances, 2016, 6, 72859-72864.	3.6	24
4	Mobility and attenuation of arsenic in sulfide-rich mining wastes from the Czech Republic. Science of the Total Environment, 2016, 557-558, 192-203.	8.0	24
5	Extended characterization methods for covalent functionalization of graphene on copper. Carbon, 2017, 118, 200-207.	10.3	19
6	Proton-Gradient-Driven Oriented Motion of Nanodiamonds Grafted to Graphene by Dynamic Covalent Bonds. ACS Nano, 2018, 12, 7141-7147.	14.6	17
7	Guanylurea(1+) hydrogen phosphite: study of linear and nonlinear optical properties. Phase Transitions, 2010, 83, 761-767.	1.3	16
8	Stimulated Raman scattering in monoclinic non-centrosymmetric guanylurea(1+) hydrogen phosphite (GUHP). Physica Status Solidi (B): Basic Research, 2013, 250, 1837-1856.	1.5	16
9	Vibrational spectra of guanylurea(1+) hydrogen phosphite – Novel remarkable material for nonlinear optics. Vibrational Spectroscopy, 2012, 63, 485-491.	2.2	15
10	Enhanced Raman scattering on functionalized graphene substrates. 2D Materials, 2017, 4, 025087.	4.4	14
11	Thermoreversible magnetic nanochains. Nanoscale, 2019, 11, 16773-16780.	5.6	14
12	Mammalian enamel maturation: Crystallographic changes prior to tooth eruption. PLoS ONE, 2017, 12, e0171424.	2.5	12
13	THE INVESTIGATION OF SECOND-ORDER NONLINEAR OPTICAL PROPERTIES OF P-NITROPHENYLAZOANILINE: SECOND HARMONIC GENERATION AND AB INITIO COMPUTATIONS. Journal of Theoretical and Computational Chemistry, 2012, 11, 209-221.	1.8	11
14	Spontaneous noncollinear second harmonic generation in GUHP. Journal of Optics (United Kingdom), 2011, 13, 035204.	2.2	10
15	Mixed crystals of 2-carbamoylguanidinium with hydrogen fluorophosphonate and hydrogen phosphite in the ratios 1:0, 0.76:0.24 and 0.115:0.885. Acta Crystallographica Section C: Crystal Structure Communications, 2012, 68, o76-o83.		10
16	Do defects enhance fluorination of graphene?. RSC Advances, 2016, 6, 81471-81476.	3.6	10
17	Quantitative assessment of alkali silica reaction potential of quartz-rich aggregates: comparison of chemical test and accelerated mortar bar test improved by SEM-PIA. Bulletin of Engineering Geology and the Environment, 2017, 76, 133-144.	3.5	9
18	EDOT polymerization at photolithographically patterned functionalized graphene. Carbon, 2017, 113, 33-39.	10.3	9

#	ARTICLE	IF	CITATIONS
19	Addressing Raman features of individual layers in isotopically labeled Bernal stacked bilayer graphene. <i>2D Materials</i> , 2016, 3, 025022.	4.4	8
20	SERS of Isotopically Labeled <sup>12</sup> C/ <sup>13</sup> C Graphene Bilayer-Gold Nanostructured Film Hybrids: Graphene Layer as Spacer and SERS Probe. <i>Journal of Physical Chemistry C</i> , 2017, 121, 11680-11686.	3.1	8
21	1,1-Dimethylbiguanidium(2+) dinitrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o18-o19.	0.2	7
22	Antifungal effects of the biological agent <i>Pythium oligandrum</i> observed in vitro. <i>Journal of Feline Medicine and Surgery</i> , 2017, 19, 817-823.	1.6	5
23	Two polymorphs of bis(2-carbamoylguanidinium) fluorophosphonate dihydrate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2012, 68, o71-o75.	0.4	4
24	Vibrational spectroscopic and crystallographic study of the novel guanylurea salts with sulphuric and selenic acids. <i>Journal of Molecular Structure</i> , 2017, 1131, 294-305.	3.6	4
25	Tris(2-carbamoylguanidinium) hydrogen fluorophosphonate fluorophosphonate monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o47-o48.	0.2	3
26	Salts of guanylurea - novel materials promising for optical applications. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2010, 66, s258-s258.	0.3	3
27	N-[Amino(imino)methyl]uronium tetrafluoroborate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o1114-o1115.	0.2	1
28	Case Report: Human Recombinant Growth Hormone Therapy in a DSH Cat Presented With Dwarfism. <i>Frontiers in Veterinary Science</i> , 2021, 8, 773355.	2.2	1
29	Novel Salts of 2,4-Diaminoquinazoline: Searching for Materials for Second Harmonic Generation Based on a Promising Polarizable Cation. <i>Journal of Chemical Crystallography</i> , 2012, 42, 809-815.	1.1	0
30	Inorganic Salts of N-phenylbiguanidium(1+) - Novel Family with Promising Representatives for Nonlinear Optics. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8419.	4.1	0
31	Novel approach of dermatophytosis eradication in shelters: effect of <i>Pythium oligandrum</i> on <i>Microsporum canis</i> in FIV or FeLV positive cats. <i>BMC Veterinary Research</i> , 2021, 17, 290.	1.9	0
32	Salts of guanidine derivatives - new materials for non-linear optics. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2009, 65, s63-s64.	0.3	0