

Grazia Gonella

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2619632/publications.pdf>

Version: 2024-02-01

45
papers

2,292
citations

218677

26
h-index

233421

45
g-index

45
all docs

45
docs citations

45
times ranked

2549
citing authors

#	ARTICLE	IF	CITATIONS
1	Second Harmonic and Sum-Frequency Generation from Aqueous Interfaces Is Modulated by Interference. <i>Journal of Physical Chemistry C</i> , 2016, 120, 9165-9173.	3.1	249
2	Nonlinear Light Scattering and Spectroscopy of Particles and Droplets in Liquids. <i>Annual Review of Physical Chemistry</i> , 2012, 63, 353-378.	10.8	208
3	Water at charged interfaces. <i>Nature Reviews Chemistry</i> , 2021, 5, 466-485.	30.2	186
4	Deep Ultraviolet Plasmon Resonance in Aluminum Nanoparticle Arrays. <i>ACS Nano</i> , 2013, 7, 5834-5841.	14.6	170
5	High resolution X-ray photoelectron spectroscopy of l-cysteine self-assembled films. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 4042.	2.8	112
6	Ultrahigh Vacuum Deposition of l-Cysteine on Au(110) Studied by High-Resolution X-ray Photoemission: From Early Stages of Adsorption to Molecular Organization. <i>Journal of Physical Chemistry B</i> , 2005, 109, 18003-18009.	2.6	112
7	Uniaxial Magnetic Anisotropy in Nanostructured Co/Cu(001): From Surface Ripples to Nanowires. <i>Physical Review Letters</i> , 2003, 91, 167207.	7.8	101
8	Surface-specific vibrational spectroscopy of the water/silica interface: screening and interference. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 16875-16880.	2.8	91
9	Saturation of charge-induced water alignment at model membrane surfaces. <i>Science Advances</i> , 2018, 4, eaap7415.	10.3	76
10	The Effect of Particle Size in Second Harmonic Generation from the Surface of Spherical Colloidal Particles. I: Experimental Observations. <i>Journal of Physical Chemistry A</i> , 2009, 113, 4758-4762.	2.5	73
11	Second Harmonic Light Scattering from the Surface of Colloidal Objects: Theory and Applications. <i>Langmuir</i> , 2014, 30, 2588-2599.	3.5	66
12	The Effect of Particle Size in Second Harmonic Generation from the Surface of Spherical Colloidal Particles. II: The Nonlinear Rayleigh-Debye Model. <i>Journal of Physical Chemistry C</i> , 2010, 114, 4302-4308.	3.1	59
13	Optical label-free and model-free probe of the surface potential of nanoscale and microscopic objects in aqueous solution. <i>Physical Review B</i> , 2016, 94, .	3.2	59
14	Pushing the High-Energy Limit of Plasmonics. <i>ACS Nano</i> , 2014, 8, 9239-9247.	14.6	57
15	Determination of adsorption geometry on spherical particles from nonlinear Mie theory analysis of surface second harmonic generation. <i>Physical Review B</i> , 2011, 84, .	3.2	55
16	Communication: Reactions and adsorption at the surface of silver nanoparticles probed by second harmonic generation. <i>Journal of Chemical Physics</i> , 2011, 134, 041104.	3.0	54
17	Gram ⁺ Stain Does Not Cross the Bacterial Cytoplasmic Membrane. <i>ACS Chemical Biology</i> , 2015, 10, 1711-1717.	3.4	51
18	Surface Potential of a Planar Charged Lipid-Water Interface. What Do Vibrating Plate Methods, Second Harmonic and Sum Frequency Measure?. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 5685-5691.	4.6	44

#	ARTICLE	IF	CITATIONS
19	The Effect of Composition, Morphology, and Susceptibility on Nonlinear Light Scattering from Metallic and Dielectric Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 2877-2881.	4.6	40
20	Engineering Proteins at Interfaces: From Complementary Characterization to Material Surfaces with Designed Functions. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12626-12648.	13.8	40
21	High resolution XPS of the S 2p core level region of the L-cysteine/gold interface. <i>Journal of Physics Condensed Matter</i> , 2004, 16, S2477-S2482.	1.8	39
22	Uniaxial magnetic anisotropy tuned by nanoscale ripple formation: Ion-sculpting of Co/Cu(001) thin films. <i>Applied Physics Letters</i> , 2004, 84, 762-764.	3.3	38
23	Repelling and ordering: the influence of poly(ethylene glycol) on protein adsorption. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 28182-28188.	2.8	36
24	Anchoring of Aminophosphonates on Titanium Oxide for Biomolecular Coupling. <i>Journal of Physical Chemistry C</i> , 2019, 123, 16843-16850.	3.1	35
25	High resolution X-ray photoelectron spectroscopy of 3-mercaptopropionic acid self-assembled films. <i>Surface Science</i> , 2004, 566-568, 638-643.	1.9	32
26	Spectro-ellipsometry on cadmium stearate Langmuir-Blodgett films. <i>Materials Science and Engineering C</i> , 2002, 22, 359-366.	7.3	31
27	Real-time molecular uptake and membrane-specific transport in living cells by optical microscopy and nonlinear light scattering. <i>Chemical Physics Letters</i> , 2014, 605-606, 158-163.	2.6	30
28	Adsorption of Anionic Thiols on Silver Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2015, 119, 5454-5461.	3.1	25
29	Tetracene Monolayer and Multilayer Thin Films on Ag(111): Substrate-Adsorbate Charge-Transfer Bonding and Inter-Adsorbate Interaction. <i>Journal of Physical Chemistry C</i> , 2008, 112, 4696-4703.	3.1	19
30	Control of the Orientational Order and Nonlinear Optical Response of the "Push~Pull" Chromophore RuPZn via Specific Incorporation into Densely Packed Monolayer Ensembles of an Amphiphilic 4-Helix Bundle Peptide: Second Harmonic Generation at High Chromophore Densities. <i>Journal of the American Chemical Society</i> , 2010, 132, 9693-9700.	13.7	18
31	Interfacial Conformation of Hydrophilic Polyphosphoesters Affects Blood Protein Adsorption. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 1624-1629.	8.0	17
32	<i>In Situ</i> Label-Free Study of Protein Adsorption on Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2021, 125, 9019-9026.	2.6	12
33	Broadband plasmonic response of self-organized aluminium nanowire arrays. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 184003.	2.8	11
34	Surfactant effect and dissolution of ultrathin films on Ag(001). <i>Physical Review B</i> , 2004, 70, .	3.2	8
35	Self-assembled monolayers of organosulphur molecules bearing calix[4]arene moieties. <i>Bioelectrochemistry</i> , 2004, 63, 3-7.	4.6	7
36	Phospholipid acyl tail affects lipid headgroup orientation and membrane hydration. <i>Journal of Chemical Physics</i> , 2022, 156, .	3.0	7

#	ARTICLE	IF	CITATIONS
37	Temperature Driven Reversible Breakdown of Pseudomorphism in Ultrathin Fe/Cu ₃ Au Films. <i>Physical Review Letters</i> , 2004, 93, 106103.	7.8	4
38	Both Poly(ethylene glycol) and Poly(methyl ethylene phosphate) Guide Oriented Adsorption of Specific Proteins. <i>Langmuir</i> , 2019, 35, 14092-14097.	3.5	4
39	Thermal magnetic properties of Fe films on Cu ₃ Au investigated by magneto optical Kerr effect. <i>Applied Surface Science</i> , 2003, 212-213, 166-170.	6.1	3
40	A self-assembled, metallo-organic supramolecular frequency doubler. <i>Chemical Communications</i> , 2012, 48, 1000-1002.	4.1	3
41	Engineering von Proteinen an Oberflächen: Von komplementärer Charakterisierung zu Materialoberflächen mit maßgeschneiderten Funktionen. <i>Angewandte Chemie</i> , 2018, 130, 12806-12830.	2.0	3
42	Location and Conformation of the LK1±14 Peptide in Water/Ethanol Mixtures. <i>Langmuir</i> , 2021, 37, 469-477.	3.5	3
43	Structure and Growth of Thin Films of Aniline on Silver: Nucleation and Premelting of Nanocrystallites, Porosity, and Crystallization. <i>Journal of Physical Chemistry B</i> , 2006, 110, 23424-23432.	2.6	2
44	Magnetic second harmonic study of Cr/Fe and Ag/Fe buried interfaces. <i>Surface Science</i> , 2002, 507-510, 530-534.	1.9	1
45	Comment on "Enhancement of Second-Order Nonlinear-Optical Signals by Optical Stimulation": <i>Physical Review Letters</i> , 2016, 116, 059401.	7.8	1