

# Giovanni Signore

## List of Publications by Year in descending order

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94  
papers

2,275  
citations

201674

27  
h-index

243625

44  
g-index

101  
all docs

101  
docs citations

101  
times ranked

4124  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biological Effects of Transforming Growth Factor Beta in Human Cholangiocytes. <i>Biology</i> , 2022, 11, 566.	2.8	1
2	Salivary Proteomics Markers for Preclinical Sjögren's Syndrome: A Pilot Study. <i>Biomolecules</i> , 2022, 12, 738.	4.0	5
3	Lysosomal Proteomics Links Disturbances in Lipid Homeostasis and Sphingolipid Metabolism to CLN5 Disease. <i>Cells</i> , 2022, 11, 1840.	4.1	8
4	Glial-fibrillary-acidic-protein (GFAP) biomarker detection in serum-matrix: Functionalization strategies and detection by an ultra-high-frequency surface-acoustic-wave (UHF-SAW) lab-on-chip.. <i>Biosensors and Bioelectronics</i> , 2021, 172, 112774.	10.1	32
5	New Coumarin Dipicolinate Europium Complexes with a Rich Chemical Speciation and Tunable Luminescence. <i>Molecules</i> , 2021, 26, 1265.	3.8	5
6	Proteomics Profiling of Neuron-Derived Small Extracellular Vesicles from Human Plasma: Enabling Single-Subject Analysis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2951.	4.1	23
7	Characterization of Extracellular Vesicle Cargo in Sjögren's Syndrome through a SWATH-MS Proteomics Approach. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4864.	4.1	13
8	New 1,3-Disubstituted Benzo[h]Isoquinoline Cyclen-Based Ligand Platform: Synthesis, Eu3+ Multiphoton Sensitization and Imaging Applications. <i>Molecules</i> , 2021, 26, 58.	3.8	0
9	A spatial multi-scale fluorescence microscopy toolbox discloses entry checkpoints of SARS-CoV-2 variants in Vero E6 cells. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 6140-6156.	4.1	10
10	An objective, principal-component-analysis (PCA) based, method which improves the quartz-crystal-microbalance (QCM) sensing performance. <i>Sensors and Actuators A: Physical</i> , 2020, 315, 112323.	4.1	10
11	Proteomics pipeline for phosphoenrichment and its application on a human melanoma cell model. <i>Talanta</i> , 2020, 220, 121381.	5.5	7
12	Coumarin-based fluorescent biosensor with large linear range for ratiometric measurement of intracellular pH. <i>Bioorganic Chemistry</i> , 2020, 105, 104372.	4.1	7
13	Uranium-free X solution: a new generation contrast agent for biological samples ultrastructure. <i>Scientific Reports</i> , 2020, 10, 11540.	3.3	16
14	Fluorolabeling of the PPTase-Related Chemical Tags: Comparative Study of Different Membrane Receptors and Different Fluorophores in the Labeling Reactions. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 195.	3.5	10
15	Morphological and Elastic Transition of Polystyrene Adsorbed Layers on Silicon Oxide. <i>Journal of Microscopy</i> , 2020, 280, 280-286.	1.8	2
16	Protein Delivery by Peptide-Based Stealth Liposomes: A Biomolecular Insight into Enzyme Replacement Therapy. <i>Molecular Pharmaceutics</i> , 2020, 17, 4510-4521.	4.6	10
17	Targeted Dendrimer-Coated Magnetic Nanoparticles for Selective Delivery of Therapeutics in Living Cells. <i>Molecules</i> , 2020, 25, 2252.	3.8	13
18	Proteomic and functional analyses in disease models reveal CLN5 protein involvement in mitochondrial dysfunction. <i>Cell Death Discovery</i> , 2020, 6, 18.	4.7	23

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19	Prevalence and clinical significance of incidental 18F-FDG uptake in the pituitary. <i>Clinical and Translational Imaging</i> , 2020, 8, 237-242.	2.1	3
20	Retrieval of magnetic medical microrobots from the bloodstream. , 2019, , .		10
21	Poly(Lactide-co-Glycolide) Nanoparticles Co-Loaded with Chlorophyllin and Quantum Dots as Photodynamic Therapy Agents. <i>ChemPlusChem</i> , 2019, 84, 1653-1658.	2.8	11
22	Remarkable Effect of [Li(G4)]TFSI Solvate Ionic Liquid (SIL) on the Regio- and Stereoselective Ring Opening of $\alpha$ -Glucosyl Carbasugar 1,2-Epoxides. <i>Molecules</i> , 2019, 24, 2946.	3.8	4
23	Capturing Metabolism-Dependent Solvent Dynamics in the Lumen of a Trafficking Lysosome. <i>ACS Nano</i> , 2019, 13, 1670-1682.	14.6	15
24	Lipid-Conjugated Rigidochromic Probe Discloses Membrane Alteration in Model Cells of Krabbe Disease. <i>Biophysical Journal</i> , 2019, 116, 477-486.	0.5	6
25	Nanocarriers for Protein Delivery to the Cytosol: Assessing the Endosomal Escape of Poly(Lactide-co-Glycolide)-Poly(Ethylene Imine) Nanoparticles. <i>Nanomaterials</i> , 2019, 9, 652.	4.1	25
26	Unique Photophysical Behavior of Coumarin-Based Viscosity Probes during Molecular Self-Assembly. <i>ACS Omega</i> , 2019, 4, 4785-4792.	3.5	2
27	Capturing Metabolism-Dependent Solvent Polarity Fluctuations in a Trafficking Lysosome. <i>Biophysical Journal</i> , 2019, 116, 307a.	0.5	0
28	Fast-diffusing p75 <sup>NTR</sup> monomers support apoptosis and growth cone collapse by neurotrophin ligands. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 21563-21572.	7.1	45
29	Brain-targeted enzyme-loaded nanoparticles: A breach through the blood-brain barrier for enzyme replacement therapy in Krabbe disease. <i>Science Advances</i> , 2019, 5, eaax7462.	10.3	43
30	First Examples of H <sub>2</sub> S-Releasing Glycoconjugates: Stereoselective Synthesis and Anticancer Activities. <i>Bioconjugate Chemistry</i> , 2019, 30, 614-620.	3.6	16
31	Biomedical Applications: An Intravascular Magnetic Catheter Enables the Retrieval of Nanoagents from the Bloodstream ( <i>Adv. Sci.</i> 9/2018). <i>Advanced Science</i> , 2018, 5, 1870054.	11.2	0
32	Nano-topography: Quicksand for cell cycle progression?. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 2656-2665.	3.3	4
33	Simultaneous Detection of Local Polarizability and Viscosity by a Single Fluorescent Probe in Cells. <i>Biophysical Journal</i> , 2018, 114, 2212-2220.	0.5	8
34	An Intravascular Magnetic Catheter Enables the Retrieval of Nanoagents from the Bloodstream. <i>Advanced Science</i> , 2018, 5, 1800807.	11.2	37
35	Cross-Linked Enzyme Aggregates as Versatile Tool for Enzyme Delivery: Application to Polymeric Nanoparticles. <i>Bioconjugate Chemistry</i> , 2018, 29, 2225-2231.	3.6	34
36	Abstract 3385: ETNK1 mutations promote ROS production and DNA damage through increased mitochondrial activity. , 2018, , .		0

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37	Peptide-Based Stealth Nanoparticles for Targeted and pH-Triggered Delivery. <i>Bioconjugate Chemistry</i> , 2017, 28, 627-635.	3.6	29
38	The landscape of BRAF transcript and protein variants in human cancer. <i>Molecular Cancer</i> , 2017, 16, 85.	19.2	22
39	Rational Design of a Transferrin-Binding Peptide Sequence Tailored to Targeted Nanoparticle Internalization. <i>Bioconjugate Chemistry</i> , 2017, 28, 471-480.	3.6	73
40	Fluorescence lifetime microscopy reveals the biologically-related photophysical heterogeneity of oxyblepharismine in light-adapted (blue) <i>Blepharisma japonicum</i> cells. <i>Photochemical and Photobiological Sciences</i> , 2017, 16, 1502-1511.	2.9	0
41	In Vivo Recognition of Human Vascular Endothelial Growth Factor by Molecularly Imprinted Polymers. <i>Nano Letters</i> , 2017, 17, 2307-2312.	9.1	108
42	Self-aggregation propensity of the Tat peptide revealed by UV-Vis, NMR and MD analyses. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 23910-23914.	2.8	17
43	Compositional analysis of endogenous porphyrins from <i>Helicobacter pylori</i> . <i>Biophysical Chemistry</i> , 2017, 229, 25-30.	2.8	20
44	Surface Acoustic Wave (SAW)-Enhanced Chemical Functionalization of Gold Films. <i>Sensors</i> , 2017, 17, 2452.	3.8	12
45	Biodegradable nano-architectures containing gold nanoparticles arrays. <i>MRS Advances</i> , 2016, 1, 2173-2179.	0.9	0
46	Organization of Inner Cellular Components as Reported by a Viscosity-Sensitive Fluorescent Bodipy Probe Suitable for Phasor Approach to FLIM. <i>Biophysical Journal</i> , 2016, 110, 163a.	0.5	6
47	Polymeric Microporous Nanofilms as Smart Platforms for <i>in Vitro</i> Assessment of Nanoparticle Translocation and Caco-2 Cell Culture. <i>IEEE Transactions on Nanobioscience</i> , 2016, 15, 689-696.	3.3	5
48	Lithium improves cell viability in psychosine-treated MO3.13 human oligodendrocyte cell line via autophagy activation. <i>Journal of Neuroscience Research</i> , 2016, 94, 1246-1260.	2.9	33
49	Quantitative optical lock-in detection for quantitative imaging of switchable and non-switchable components. <i>Microscopy Research and Technique</i> , 2016, 79, 929-937.	2.2	18
50	Biodegradable Passion Fruit-Like Nano-Architectures as Carriers for Cisplatin Prodrug. <i>Particle and Particle Systems Characterization</i> , 2016, 33, 818-824.	2.3	40
51	Precursor and mature NGF live tracking: one versus many at a time in the axons. <i>Scientific Reports</i> , 2016, 6, 20272.	3.3	21
52	Nanoimaging: photophysical and pharmaceutical characterization of poly-lactide-co-glycolide nanoparticles engineered with quantum dots. <i>Nanotechnology</i> , 2016, 27, 015704.	2.6	4
53	Organization of inner cellular components as reported by a viscosity-sensitive fluorescent Bodipy probe suitable for phasor approach to FLIM. <i>Biophysical Chemistry</i> , 2016, 208, 17-25.	2.8	18
54	Recurrent ETNK1 mutations in atypical chronic myeloid leukemia. <i>Blood</i> , 2015, 125, 499-503.	1.4	115

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55	Spontaneous membrane-translocating peptides: influence of peptide self-aggregation and cargo polarity. <i>Scientific Reports</i> , 2015, 5, 16914.	3.3	24
56	Biodegradable hollow silica nanospheres containing gold nanoparticle arrays. <i>Chemical Communications</i> , 2015, 51, 9939-9941.	4.1	54
57	A surface-acoustic-wave-based cantilever bio-sensor. <i>Biosensors and Bioelectronics</i> , 2015, 68, 570-576.	10.1	19
58	Identification of chemical byproducts in the radiofluorination of structurally complex arylidonium salts. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2015, 303, 1021-1027.	1.5	1
59	Dual Fluorescence through Kasha's Rule Breaking: An Unconventional Photomechanism for Intracellular Probe Design. <i>Journal of Physical Chemistry B</i> , 2015, 119, 6144-6154.	2.6	76
60	Aptamer-Mediated Codelivery of Doxorubicin and NF- $\kappa$ B Decoy Enhances Chemosensitivity of Pancreatic Tumor Cells. <i>Molecular Therapy - Nucleic Acids</i> , 2015, 4, e235.	5.1	67
61	Site-Specific Labeling of Neurotrophins and Their Receptors via Short and Versatile Peptide Tags. <i>PLoS ONE</i> , 2014, 9, e113708.	2.5	31
62	Synergistic photo-release of drugs by non-linear excitation. <i>Materials Research Society Symposia Proceedings</i> , 2014, 1688, 18.	0.1	0
63	Two Interconvertible Folds Modulate the Activity of a DNA Aptamer Against Transferrin Receptor. <i>Molecular Therapy - Nucleic Acids</i> , 2014, 3, e144.	5.1	36
64	Lipid-modified dendrimers as a tool for the design of nanoparticle-based multimodal MRI contrast agents. , 2014, , .		0
65	Role of extracellular calcium and mitochondrial oxygen species in psychosine-induced oligodendrocyte cell death. <i>Cell Death and Disease</i> , 2014, 5, e1529-e1529.	6.3	60
66	Characterization of secreted vesicles from vascular smooth muscle cells. <i>Molecular BioSystems</i> , 2014, 10, 1146.	2.9	32
67	Imaging of Intracellular Viscosity and Membrane Order by New Molecular Rotors Suitable for Phasor Analysis of Fluorescence Lifetime. <i>Biophysical Journal</i> , 2014, 106, 24a.	0.5	1
68	Evidence of ETNK1 Somatic Variants in Atypical Chronic Myeloid Leukemia. <i>Blood</i> , 2014, 124, 2212-2212.	1.4	0
69	Imaging intracellular viscosity by a new molecular rotor suitable for phasor analysis of fluorescence lifetime. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 6223-6233.	3.7	31
70	Cancer phototherapy in living cells by multiphoton release of doxorubicin from gold nanospheres. <i>Journal of Materials Chemistry B</i> , 2013, 1, 4225.	5.8	46
71	Orthogonal Functionalisation of Upconverting NaYF <sub>4</sub> Nanocrystals. <i>Chemistry - A European Journal</i> , 2013, 19, 13538-13546.	3.3	27
72	Imaging the static dielectric constant in vitro and in living cells by a bioconjugable GFP chromophore analog. <i>Chemical Communications</i> , 2013, 49, 1723.	4.1	18

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73	Imaging of Static Dielectric Permittivity In Vitro and in Living Cells by a Bioconjugable GFP Chromophore Analog. <i>Biophysical Journal</i> , 2013, 104, 530a.	0.5	1
74	Synthesis, Cellular Delivery and In vivo Application of Dendrimer-based pH Sensors. <i>Journal of Visualized Experiments</i> , 2013, .	0.3	2
75	Antimicrobial Peptides Design by Evolutionary Multiobjective Optimization. <i>PLoS Computational Biology</i> , 2013, 9, e1003212.	3.2	65
76	Ligand signature in the membrane dynamics of single TrkA receptor molecules. <i>Journal of Cell Science</i> , 2013, 126, 4445-4456.	2.0	46
77	In Vitro Efficient Transfection by CM18-Tat11 Hybrid Peptide: A New Tool for Gene-Delivery Applications. <i>PLoS ONE</i> , 2013, 8, e70108.	2.5	27
78	Vascular Smooth Muscle Cells activation revealed by quantitative phosphoproteomics analysis. <i>Journal of Integrated OMICS</i> , 2013, 3, .	0.5	0
79	Smart Delivery and Controlled Drug Release with Gold Nanoparticles: New Frontiers in Nanomedicine. <i>Recent Patents on Nanomedicine</i> , 2012, 2, 34-44.	0.5	28
80	Smart Delivery and Controlled Drug Release with Gold Nanoparticles: New Frontiers in Nanomedicine. <i>Recent Patents on Nanomedicine</i> , 2012, 2, 34-44.	0.5	7
81	Cis-trans photoisomerization properties of GFP chromophore analogs. <i>European Biophysics Journal</i> , 2011, 40, 1205-1214.	2.2	22
82	Multiphoton Molecular Photorelease in Click-Chemistry-Functionalized Gold Nanoparticles. <i>Small</i> , 2011, 7, 3271-3275.	10.0	41
83	Drug Delivery: Multiphoton Molecular Photorelease in Click-Chemistry-Functionalized Gold Nanoparticles (Small 23/2011). <i>Small</i> , 2011, 7, 3270-3270.	10.0	3
84	Dendrimer-Based Fluorescent Indicators: In Vitro and In Vivo Applications. <i>PLoS ONE</i> , 2011, 6, e28450.	2.5	33
85	Evaluation of in-vitro anti-inflammatory activity of some 2-alkyl-4,6-dimethoxy-1,3,5-triazines. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 58, 219-226.	2.4	10
86	Polarity-Sensitive Coumarins Tailored to Live Cell Imaging. <i>Journal of the American Chemical Society</i> , 2010, 132, 1276-1288.	13.7	232
87	Recognition of Protein Binding Events by Polarity-Sensitive Probes. <i>Biophysical Journal</i> , 2010, 98, 181a.	0.5	0
88	A Novel Coumarin Fluorescent Sensor to Probe Polarity Around Biomolecules. <i>Journal of Biomedical Nanotechnology</i> , 2009, 5, 722-729.	1.1	30
89	Alkyl alk-1-enyl alanes in Reissert like reaction. <i>Tetrahedron</i> , 2008, 64, 197-203.	1.9	10
90	Pyridine and triphenylphosphine oxide activation of sulfonyl chlorides in the syntheses of (E) alk-1-enyl sulfones. <i>Tetrahedron</i> , 2008, 64, 11218-11223.	1.9	12

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91	Alkenyl alaneâ€“pyridine complexes in a new synthesis of Aryl-alk-1-enyl sulfoxides. Tetrahedron, 2007, 63, 177-182.	1.9	7
92	Organometallic alkylation of 2-chloro-4,6-dimethoxy-1,3,5-triazine: a study. Tetrahedron, 2005, 61, 4475-4483.	1.9	22
93	Organometallic Alkylation of 2-Chloro-4,6-dimethoxy-1,3,5-triazine: A Study.. ChemInform, 2005, 36, no.	0.0	0
94	In Vitro Cytotoxic Activities of 2-Alkyl-4,6-diheteroalkyl-1,3,5-triazines: New Molecules in Anticancer Research. Journal of Medicinal Chemistry, 2004, 47, 4649-4652.	6.4	153