

# Virginia Martinez-Martinez

## List of Publications by Year in descending order

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70  
papers

3,149  
citations

201674

27  
h-index

155660

55  
g-index

73  
all docs

73  
docs citations

73  
times ranked

3946  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular decoding using luminescence from an entangled porous framework. <i>Nature Communications</i> , 2011, 2, 168.	12.8	715
2	Characterization of Rhodamine 6G Aggregates Intercalated in Solid Thin Films of Laponite Clay. 2 Fluorescence Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2005, 109, 7443-7450.	2.6	181
3	Luminescence Properties of Rhodamine 6G Intercalated in Surfactant/Clay Hybrid Thin Solid Films. <i>Langmuir</i> , 2004, 20, 4715-4719.	3.5	145
4	Structural, photophysical and lasing properties of pyrromethene dyes. <i>International Reviews in Physical Chemistry</i> , 2005, 24, 339-374.	2.3	137
5	Photoresponse and anisotropy of rhodamine dye intercalated in ordered clay layered films. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2007, 8, 85-108.	11.6	131
6	Photophysical Properties of the Pyrromethene 597 Dye: Solvent Effect. <i>Journal of Physical Chemistry A</i> , 2004, 108, 5503-5508.	2.5	94
7	Exploring BODIPY Derivatives as Singlet Oxygen Photosensitizers for PDT. <i>Photochemistry and Photobiology</i> , 2020, 96, 458-477.	2.5	92
8	Rational Design of Advanced Photosensitizers Based on Orthogonal BODIPY Dimers to Finely Modulate Singlet Oxygen Generation. <i>Chemistry - A European Journal</i> , 2017, 23, 4837-4848.	3.3	87
9	Characterization of Rhodamine 6G Aggregates Intercalated in Solid Thin Films of Laponite Clay. 1. Absorption Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2004, 108, 20030-20037.	2.6	84
10	Orientation of Adsorbed Dyes in the Interlayer Space of Clays. 2 Fluorescence Polarization of Rhodamine 6G in Laponite Films. <i>Chemistry of Materials</i> , 2006, 18, 1407-1416.	6.7	80
11	Modulation of singlet oxygen generation in halogenated BODIPY dyes by substitution at their meso position: towards a solvent-independent standard in the vis region. <i>RSC Advances</i> , 2016, 6, 41991-41998.	3.6	80
12	Photophysical properties of a new 8-phenyl analogue of the laser dye PM567 in different solvents: internal conversion mechanisms. <i>Chemical Physics Letters</i> , 2004, 385, 29-35.	2.6	68
13	Modulation of the photophysical properties of BODIPY dyes by substitution at their meso position.. <i>RSC Advances</i> , 2011, 1, 677.	3.6	62
14	Characterization of Supported Solid Thin Films of Laponite Clay. Intercalation of Rhodamine 6G Laser Dye. <i>Langmuir</i> , 2004, 20, 5709-5717.	3.5	60
15	Charge Transfer and Exciplex Emissions from a Naphthalenediimide-Entangled Coordination Framework Accommodating Various Aromatic Guests. <i>Journal of Physical Chemistry C</i> , 2012, 116, 26084-26090.	3.1	60
16	Exploration of Single Molecule Events in a Haloperoxidase and Its Biomimic: Localization of Halogenation Activity. <i>Journal of the American Chemical Society</i> , 2008, 130, 13192-13193.	13.7	57
17	Spectral Properties of Rhodamine 3B Adsorbed on the Surface of Montmorillonites with Variable Layer Charge. <i>Langmuir</i> , 2007, 23, 1851-1859.	3.5	55
18	Adsorption of Rhodamine 3B Dye on Saponite Colloidal Particles in Aqueous Suspensions. <i>Langmuir</i> , 2002, 18, 2658-2664.	3.5	52

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19	Theoretical study of the ground and excited electronic states of pyromethene 546 laser dye and related compounds. <i>Chemical Physics</i> , 2004, 296, 13-22.	1.9	48
20	Orientation of Adsorbed Dyes in the Interlayer Space of Clays. 1. Anisotropy of Rhodamine 6G in Laponite Films by Vis-Absorption with Polarized Light. <i>Chemistry of Materials</i> , 2005, 17, 4134-4141.	6.7	48
21	Difluoro-boron-triaza-anthracene: a laser dye in the blue region. Theoretical simulation of alternative difluoro-boron-diaza-aromatic systems. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 3437-3445.	2.8	43
22	Singlet Fission Mediated Photophysics of BODIPY Dimers. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 641-646.	4.6	42
23	AcetylacetonateBODIPYâ€Biscyclometalated Iridium(III) Complexes: Effective Strategy towards Smarter Fluorescent Photosensitizer Agents. <i>Chemistry - A European Journal</i> , 2017, 23, 10139-10147.	3.3	38
24	Structural and spectroscopic characteristics of Pyromethene 567 laser dye. A theoretical approach. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 4247-4253.	2.8	35
25	Flavin Bioorthogonal Photocatalysis Toward Platinum Substrates. <i>ACS Catalysis</i> , 2020, 10, 187-196.	11.2	34
26	Molecular Forces Governing Shear and Tensile Failure in Clay-Dye Hybrid Materials. <i>Chemistry of Materials</i> , 2014, 26, 4338-4345.	6.7	33
27	New fluorescent polarization method to evaluate the orientation of adsorbed molecules in uniaxial 2D layered materials. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006, 181, 44-49.	3.9	28
28	Application of Fluorescence with Polarized Light to Evaluate the Orientation of Dyes Adsorbed in Layered Materials. <i>Journal of Fluorescence</i> , 2006, 16, 233-240.	2.5	26
29	Adsorption of fluorescent R6G dye into organophilic C12TMA laponite films. <i>Journal of Colloid and Interface Science</i> , 2008, 321, 212-219.	9.4	26
30	Distribution and orientation study of dyes intercalated into single sepiolite fibers. A confocal fluorescence microscopy approach. <i>Journal of Materials Chemistry</i> , 2011, 21, 269-276.	6.7	24
31	Strong intramolecular charge transfer emission in benzobisoxazole cruciforms: solvatochromic dyes as polarity indicators. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 18023.	2.8	23
32	Effect of surfactant C12TMA molecules on the self-association of R6G dye in thin films of laponite clay. <i>Materials Chemistry and Physics</i> , 2009, 116, 550-556.	4.0	22
33	Formation of a Nonlinear Optical Hostâ€Guest Hybrid Material by Tight Confinement of LDSâ€...722 into Aluminophosphate 1D Nanochannels. <i>Chemistry - A European Journal</i> , 2016, 22, 15700-15711.	3.3	22
34	Highly Luminescent and Optically Switchable Hybrid Material by One-Pot Encapsulation of Dyes into MgAPO-11 Unidirectional Nanopores. <i>ACS Photonics</i> , 2014, 1, 205-211.	6.6	21
35	Resonance Energy Transfer between Dye Molecules in Colloids of a Layered Silicate. The Effect of Dye Surface Concentration. <i>Journal of Physical Chemistry C</i> , 2017, 121, 8300-8309.	3.1	21
36	Methylthio BODIPY as a standard triplet photosensitizer for singlet oxygen production: a photophysical study. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 20403-20414.	2.8	21

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37	Photophysics of Rhodamine 6G Laser Dye in Ordered Surfactant (C12TMA)/Clay (Laponite) Hybrid Films. <i>Journal of Physical Chemistry C</i> , 2009, 113, 965-970.	3.1	20
38	Modulating Dye Aggregation by Incorporation into 1D MgAPO Nanochannels. <i>Chemistry - A European Journal</i> , 2013, 19, 9859-9865.	3.3	20
39	Enhanced Phosphorescence Emission by Incorporating Aromatic Halides into an Entangled Coordination Framework Based on Naphthalenediimide. <i>ChemPhysChem</i> , 2014, 15, 2517-2521.	2.1	20
40	Manipulating Charge Transfer States in BODIPYs: A Model Strategy to Rapidly Develop Photodynamic Theragnostic Agents. <i>Chemistry - A European Journal</i> , 2020, 26, 601-605.	3.3	20
41	On the Arrangements of R6G Molecules in Organophilic C12TMA/Lap Clay Films for Low Dye Loadings. <i>Langmuir</i> , 2010, 26, 930-937.	3.5	19
42	Versatile Photoactive Materials Based on Zeolite L Doped with Laser Dyes. <i>ChemPlusChem</i> , 2012, 77, 61-70.	2.8	18
43	Strategies for modulating the luminescence properties of pyronin Y dye-clay films: an experimental and theoretical study. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 8730-8738.	2.8	18
44	Fully Functionalizable $\text{Zr}_2\text{O}_7$ -BODIPY Dimer: Synthesis, Structure, and Photophysical Signatures. <i>Journal of Organic Chemistry</i> , 2018, 83, 10186-10196.	3.2	17
45	Naturally Assembled Excimers in Xanthenes as Singular and Highly Efficient Laser Dyes in Liquid and Solid Media. <i>Advanced Optical Materials</i> , 2013, 1, 984-990.	7.3	15
46	A versatile fluorescent molecular probe endowed with singlet oxygen generation under white-light photosensitization. <i>Dyes and Pigments</i> , 2017, 142, 77-87.	3.7	14
47	Adapting BODIPYs to singlet oxygen production on silica nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 13746-13755.	2.8	13
48	One-Directional Antenna Systems: Energy Transfer from Monomers to J-Aggregates within 1D Nanoporous Aluminophosphates. <i>ACS Photonics</i> , 2018, 5, 151-157.	6.6	13
49	Concerning the color change of pyromethene 650 dye in electron-donor solvents. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006, 184, 298-305.	3.9	10
50	Resonance energy transfer between dye molecules in hybrid films of a layered silicate, including the effect of dye concentration thereon. <i>Applied Clay Science</i> , 2018, 155, 57-64.	5.2	10
51	A general modular approach for the solubility tagging of BODIPY dyes. <i>Dyes and Pigments</i> , 2019, 170, 107545.	3.7	10
52	One-Dimensional Antenna Systems by Crystallization Inclusion of Dyes (One-Pot Synthesis) within Zeolitic MgAPO-36 Nanochannels. <i>Journal of Physical Chemistry C</i> , 2013, 117, 24063-24070.	3.1	9
53	Preparation, Photophysical Characterization, and Modeling of LDS722/Laponite 2D-Ordered Hybrid Films. <i>Langmuir</i> , 2014, 30, 10112-10117.	3.5	9
54	Synthesis and characterization of near-infrared fluorescent and magnetic iron zero-valent nanoparticles. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 315, 1-7.	3.9	9

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55	Enhancing the Photocatalytic Conversion of Pt(IV) Substrates by Flavoprotein Engineering. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 4504-4508.	4.6	9
56	Improving the fluorescence polarization method to evaluate the orientation of fluorescent systems adsorbed in ordered layered materials. <i>Journal of Luminescence</i> , 2009, 129, 1336-1340.	3.1	8
57	Anisotropic fluorescence materials: Effect of the synthesis conditions over the incorporation, alignment and aggregation of Pyronine Y within MgAPO-5. <i>Microporous and Mesoporous Materials</i> , 2013, 172, 190-199.	4.4	7
58	Enhanced Charge-Transfer Emission in Polyimides by Cyano-Groups Doping. <i>Journal of Physical Chemistry B</i> , 2015, 119, 5685-5692.	2.6	7
59	Shedding light on the mitochondrial matrix through a functional membrane transporter. <i>Chemical Science</i> , 2020, 11, 1052-1065.	7.4	7
60	Functionalization of Photosensitized Silica Nanoparticles for Advanced Photodynamic Therapy of Cancer. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6618.	4.1	7
61	Viewpoint Regarding "Singlet Fission Mediated Photophysics of BODIPY Dimers". <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 7439-7441.	4.6	7
62	Tuning Light Emission towards White Light from a Naphthalenediimide-Based Entangled Metal-Organic Framework by Mixing Aromatic Guest Molecules. <i>Polymers</i> , 2018, 10, 188.	4.5	6
63	Functionalized Fluorescent Silica Nanoparticles for Bioimaging of Cancer Cells. <i>Sensors</i> , 2020, 20, 5590.	3.8	5
64	Red haloBODIPYs as theragnostic agents: The role of the substitution at meso position. <i>Dyes and Pigments</i> , 2022, 198, 110015.	3.7	5
65	White Light Emission by Simultaneous One Pot Encapsulation of Dyes into One-Dimensional Channelled Aluminophosphate. <i>Nanomaterials</i> , 2020, 10, 1173.	4.1	4
66	BINOL blocks as accessible triplet state modulators in BODIPY dyes. <i>Chemical Communications</i> , 2022, 58, 6385-6388.	4.1	4
67	Fluorescence Anisotropy to Study the Preferential Orientation of Fluorophores in Ordered Bi-Dimensional Systems: Rhodamine 6G/Laponite Layered Films. <i>Reviews in Fluorescence</i> , 2010, , 1-35.	0.5	3
68	Enhancement of NIR emission by a tight confinement of a hemicyanine dye within zeolitic MgAPO-5 nanochannels. <i>Photochemical and Photobiological Sciences</i> , 2018, 17, 917-922.	2.9	3
69	An n $\pi^*$ gated decay mediates excited-state lifetimes of isolated azaindoles. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 18639-18645.	2.8	3
70	Dye Encapsulation Into One-Dimensional Zeolitic Materials for Optical Applications. , 2019, , 229-248.		1