

# VÃ©ronique Nardello-Rataj

## List of Publications by Year in descending order

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86  
papers

2,295  
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236925

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docs citations

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times ranked

2909  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiphase Microreactors Based on Liquid-Liquid and Gas-Liquid Dispersions Stabilized by Colloidal Catalytic Particles. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	51
2	Multiphase Microreactors Based on Liquid-Liquid and Gas-Liquid Dispersions Stabilized by Colloidal Catalytic Particles. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	4
3	COSMO-RS as an effective tool for predicting the physicochemical properties of fragrance raw materials. <i>Flavour and Fragrance Journal</i> , 2022, 37, 106-120.	2.6	8
4	Improved Hydrotropic Extraction of Carnosic Acid from Rosemary and Sage with Short-Chain Monoalkyl Glycerol Ethers. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 3673-3681.	6.7	3
5	Bio-based alternatives to volatile silicones: Relationships between chemical structure, physicochemical properties and functional performances. <i>Advances in Colloid and Interface Science</i> , 2022, 304, 102679.	14.7	8
6	Cation Effect on the Binary and Ternary Phase Behaviors of Double-Tailed Methanesulfonate Amphiphiles. <i>Journal of Surfactants and Detergents</i> , 2021, 24, 401-410.	2.1	1
7	Amyl Xyloside, a Selective Sugar-Based Hydrotrope for the Aqueous Extraction of Carnosic Acid from Rosemary. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 4801-4811.	6.7	7
8	Highly Active, Entirely Biobased Antimicrobial Pickering Emulsions. <i>ChemMedChem</i> , 2021, 16, 2223-2230.	3.2	8
9	Temperature-responsive Pickering emulsions stabilized by poly(ethylene glycol)-functionalized silica particles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 631, 127641.	4.7	6
10	TiO <sub>2</sub> nanoparticle dispersions in water and nonaqueous solvents studied by gravitational sedimentation analysis: Complementarity of Hansen Parameters and DLVO interpretations. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 628, 127333.	4.7	17
11	Cross-linked poly(4-vinylpyridine) particles for pH- and ionic strength-responsive Pickering emulsions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 631, 127705.	4.7	4
12	Hydrotropic Cloud Point Extraction of Lipids from Microalgae: A New Pathway for Biofuels Production. <i>Energy &amp; Fuels</i> , 2021, 35, 20151-20159.	5.1	3
13	Design and Properties of a Novel Family of Nonionic Biobased Furanic Hydroxyester and Amide Surfactants. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 16977-16988.	6.7	6
14	Use of the normalized hydrophilic-lipophilic-deviation (HLDN) equation for determining the equivalent alkane carbon number (EACN) of oils and the preferred alkane carbon number (PACN) of nonionic surfactants by the fish-tail method (FTM). <i>Advances in Colloid and Interface Science</i> , 2020, 276, 102099.	14.7	42
15	In vitro study of versatile drug formulations based on $\beta$ -cyclodextrin and polyethylene glycol using colloidal tectonics. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 59, 101913.	3.0	5
16	Hydrotropic Extraction of Carnosic Acid from Rosemary with Short-Chain Alkyl Polyethylene Glycol Ethers. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 15268-15277.	6.7	11
17	One-pot oxidative cleavage of cyclic olefins for the green synthesis of dicarboxylic acids in Pickering emulsions in the presence of acid phosphate additives. <i>Catalysis Science and Technology</i> , 2020, 10, 6723-6728.	4.1	5
18	Emulsions Stabilized with Alumina-Functionalized Mesoporous Silica Particles. <i>Langmuir</i> , 2020, 36, 3212-3220.	3.5	9

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19	A New Machine-Learning Tool for Fast Estimation of Liquid Viscosity. Application to Cosmetic Oils. <i>Journal of Chemical Information and Modeling</i> , 2020, 60, 2012-2023.	5.4	20
20	Phytochemical- and Cyclodextrin-Based Pickering Emulsions: Natural Potentiators of Antibacterial, Antifungal, and Antibiofilm Activity. <i>Langmuir</i> , 2020, 36, 4317-4323.	3.5	17
21	Microfluidic emulsification: Process and formulation variables effects in flow behavior pattern on a flow-focusing device. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 601, 125038.	4.7	1
22	Colloidal tectonics for tandem synergistic Pickering interfacial catalysis: oxidative cleavage of cyclohexene oxide into adipic acid. <i>Chemical Science</i> , 2019, 10, 501-507.	7.4	30
23	Supramolecular Chemistry and Self-Organization: A Veritable Playground for Catalysis. <i>Catalysts</i> , 2019, 9, 163.	3.5	22
24	Physicochemical investigations of native nails and synthetic models for a better understanding of surface adhesion of nail lacquers. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 131, 208-217.	4.0	5
25	Dual Catalytic Role of Molybdate Ions for Direct Conversion of Photo-oxidized Fatty Acid Methyl Esters into Keto or Hydroxy Derivatives. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 3034-3041.	6.7	3
26	Synthesis and Surfactant Properties of Nonionic Biosourced Alkylglucuronamides. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 2758-2766.	6.7	19
27	Revisiting the influence of carboxylic acids on emulsions and equilibrated SOW systems using the PIT-slope method. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 536, 191-197.	4.7	3
28	Prediction of the equivalent alkane carbon number (EACN) of aprotic polar oils with COSMO-RS sigma-moments. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 536, 53-59.	4.7	11
29	Hybrid Core-Shell Nanoparticles by Plug and Play Self-Assembly. <i>Chemistry - A European Journal</i> , 2018, 24, 17672-17676.	3.3	11
30	Hydroquinone-Based Biaryl Polyphenols as Redox Organocatalysts for Dioxygen Reduction: Dramatic Effect of Orcinol Substituent on the Catalytic Activity. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 268-278.	4.3	5
31	Supramolecular Big Bang in a Single-Ionic Surfactant/Water System Driven by Electrostatic Repulsion: From Vesicles to Micelles. <i>Langmuir</i> , 2017, 33, 3395-3403.	3.5	6
32	Acidic/amphiphilic silica nanoparticles: new eco-friendly Pickering interfacial catalysis for biodiesel production. <i>Green Chemistry</i> , 2017, 19, 4552-4562.	9.0	68
33	Predicting the Surface Tension of Liquids: Comparison of Four Modeling Approaches and Application to Cosmetic Oils. <i>Journal of Chemical Information and Modeling</i> , 2017, 57, 2986-2995.	5.4	22
34	One-Pot Synthesis of (+)-Nootkatone via Dark Singlet Oxygenation of Valencene: The Triple Role of the Amphiphilic Molybdate Catalyst. <i>Catalysts</i> , 2016, 6, 184.	3.5	9
35	Theoretical and Kinetic Tools for Selecting Effective Antioxidants: Application to the Protection of Omega-3 Oils with Natural and Synthetic Phenols. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1220.	4.1	30
36	Readily biodegradable and low-toxic biocompatible ionic liquids for cellulose processing. <i>RSC Advances</i> , 2016, 6, 87325-87331.	3.6	27

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37	Aqueous solutions of didecyldimethylammonium chloride and octaethylene glycol monododecyl ether: Toward synergistic formulations against enveloped viruses. <i>International Journal of Pharmaceutics</i> , 2016, 511, 550-559.	5.2	8
38	Supramolecular assistance between cyclodextrins and didecyldimethylammonium chloride against enveloped viruses: Toward eco-biocidal formulations. <i>International Journal of Pharmaceutics</i> , 2016, 512, 273-281.	5.2	9
39	Acyl Poly(Glycerolâ€¦Succinic Acid) Oligoesters: Synthesis, Physicochemical and Functional Properties, and Biodegradability. <i>Journal of Surfactants and Detergents</i> , 2016, 19, 933-941.	2.1	10
40	Myricetin, rosmarinic and carnolic acids as superior natural antioxidant alternatives to Î±-tocopherol for the preservation of omega-3 oils. <i>Food Chemistry</i> , 2016, 213, 284-295.	8.2	61
41	Pickering emulsions based on cyclodextrins: A smart solution for antifungal azole derivatives topical delivery. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 82, 126-137.	4.0	78
42	Boosting effect of ortho-propenyl substituent on the antioxidant activity of natural phenols. <i>Food Chemistry</i> , 2016, 196, 418-427.	8.2	26
43	Glycerol acetals and ketals as bio-based solvents: positioning in Hansen and COSMO-RS spaces, volatility and stability towards hydrolysis and autoxidation. <i>Green Chemistry</i> , 2015, 17, 1779-1792.	9.0	59
44	Pickering Interfacial Catalysis for Biphasic Systems: From Emulsion Design to Green Reactions. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2006-2021.	13.8	376
45	Dramatic influence of fragrance alcohols and phenols on the phase inversion temperature of the Brij30/n-octane/water system. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 478, 54-61.	4.7	9
46	Self-Assembled Polyoxometalates Nanoparticles as Pickering Emulsion Stabilizers. <i>Journal of Physical Chemistry B</i> , 2015, 119, 6326-6337.	2.6	23
47	Rationalization and Prediction of the Equivalent Alkane Carbon Number (EACN) of Polar Hydrocarbon Oils with COSMO-RS Î¶-Moments. <i>Langmuir</i> , 2015, 31, 11220-11226.	3.5	15
48	Nanometer-Size Polyoxometalate Anions Adsorb Strongly on Neutral Soft Surfaces. <i>Journal of Physical Chemistry C</i> , 2015, 119, 20985-20992.	3.1	91
49	Synergy between bis(dimethyldioctylammonium) molybdate and tetraethylene glycol mono-octyl ether: A winning combination for interfacial catalysis in thermo-controlled and switchable microemulsions. <i>Journal of Molecular Catalysis A</i> , 2015, 397, 142-149.	4.8	8
50	Encapsulation of biocides by cyclodextrins: toward synergistic effects against pathogens. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 2603-2622.	2.2	36
51	Selective Oxidation in DSM: Innovative Catalysts and Technologies. , 2014, , 382-419.		0
52	Fragrance solubilization in temperature insensitive aqueous microemulsions based on synergistic mixtures of nonionic and anionic surfactants. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 458, 85-95.	4.7	35
53	Succinylation of Nonâ€¦ionic Surfactants: Physicochemical Characterization, Functional Properties, Biodegradability and Mathematical Modeling of the Polarity Tuning. <i>Journal of Surfactants and Detergents</i> , 2014, 17, 591-602.	2.1	4
54	Eco-friendly solvents and amphiphilic catalytic polyoxometalate nanoparticles: a winning combination for olefin epoxidation. <i>Green Chemistry</i> , 2014, 16, 269-278.	9.0	70

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55	Transition of cellulose crystalline structure in biodegradable mixtures of renewably-sourced levulinate alkyl ammonium ionic liquids, $\gamma$ -valerolactone and water. <i>Green Chemistry</i> , 2014, 16, 2463-2471.	9.0	52
56	Dramatic synergistic effects between hydroquinone and resorcinol derivatives for the organocatalyzed reduction of dioxygen by diethylhydroxylamine. <i>Chemical Communications</i> , 2014, 50, 866-868.	4.1	4
57	Supramolecular Colloidosomes Based on Tri(dodecyltrimethylammonium) Phosphotungstate: A Bottom-Up Approach. <i>Langmuir</i> , 2014, 30, 5386-5393.	3.5	12
58	Dramatic solvent effect on the synergy between $\alpha$ -tocopherol and BHT antioxidants. <i>Food Chemistry</i> , 2014, 160, 190-195.	8.2	18
59	Trapping of Dioxygen Dissolved in Water by Alkylhydroxylamines: A Comparison of Hydroquinone, Gallic Acid and Aminophenols as Organocatalysts. <i>Topics in Catalysis</i> , 2013, 56, 933-938.	2.8	3
60	Matrix effect on the degradation of fragrant aldehydes: oxidation versus chlorination in an antiperspirant formulation. <i>Flavour and Fragrance Journal</i> , 2013, 28, 316-326.	2.6	1
61	Binary and Ternary Phase Behaviors of Short Double-Chain Quaternary Ammonium Amphiphiles: Surface Tension, Polarized Optical Microscopy, and SAXS Investigations. <i>Journal of Physical Chemistry B</i> , 2013, 117, 14732-14742.	2.6	12
62	Dual role of phenols as fragrances and antioxidants: mechanism, kinetics and drastic solvent effect. <i>Flavour and Fragrance Journal</i> , 2013, 28, 30-38.	2.6	29
63	Acidic Three-Phase Microemulsion Systems Based on Balanced Catalytic Surfactant for Epoxidation and Sulfide Oxidation under Mild Conditions. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 409-420.	4.3	14
64	Modeling of Multiple Equilibria in the Self-Aggregation of Di- <i>n</i> -decyldimethylammonium Chloride/Octaethylene Glycol Monododecyl Ether/Cyclodextrin Ternary Systems. <i>Langmuir</i> , 2013, 29, 6242-6252.	3.5	16
65	Synthesis, characterization, biodegradability and surfactant properties of bio-sourced lauroyl poly(glycerol-succinate) oligoesters. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 419, 263-273.	4.7	26
66	Selective oxidation of 5-hydroxymethylfurfural to 2,5-diformylfuran over intercalated vanadium phosphate oxides. <i>RSC Advances</i> , 2013, 3, 9942.	3.6	64
67	Versatile Eco-friendly Pickering Emulsions Based on Substrate/Native Cyclodextrin Complexes: A Winning Approach for Solvent-Free Oxidations. <i>ChemSusChem</i> , 2013, 6, 1533-1540.	6.8	53
68	Acidic Pretreatment of Wheat Straw in Decanol for the Production of Surfactant, Lignin and Glucose. <i>International Journal of Molecular Sciences</i> , 2012, 13, 348-357.	4.1	16
69	Surface pressure induced 2D-crystallization of POM-based surfactants: preparation of nanostructured thin films. <i>CrystEngComm</i> , 2012, 14, 8446.	2.6	12
70	Pickering Emulsion Stabilized by Catalytic Polyoxometalate Nanoparticles: A New Effective Medium for Oxidation Reactions. <i>Chemistry - A European Journal</i> , 2012, 18, 14352-14358.	3.3	99
71	Characterization, stability and ecotoxic properties of readily biodegradable branched oligoesters based on bio-sourced succinic acid and glycerol. <i>Polymer Degradation and Stability</i> , 2012, 97, 1956-1963.	5.8	22
72	Natural polyphenols as safe alternatives to hydroquinone for the organocatalyzed reduction of dioxygen dissolved in water by diethylhydroxylamine (DEHA). <i>Green Chemistry</i> , 2012, 14, 825.	9.0	10

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73	Aqueous mixtures of di-n-decyldimethylammonium chloride/polyoxyethylene alkyl ether: Dramatic influence of tail/tail and head/head interactions on co-micellization and biocidal activity. <i>Journal of Colloid and Interface Science</i> , 2012, 374, 176-186.	9.4	25
74	Supramolecular effects on the antifungal activity of cyclodextrin/di-n-decyldimethylammonium chloride mixtures. <i>European Journal of Pharmaceutical Sciences</i> , 2012, 46, 336-345.	4.0	24
75	Counter Anion Effect on the Self-Aggregation of Dimethyl-di-n-octylammonium Cation: A Dual Behavior between Hydrotropes and Surfactants. <i>Journal of Physical Chemistry B</i> , 2011, 115, 11619-11630.	2.6	13
76	Stepwise Aggregation of Dimethyl-di-n-octylammonium Chloride in Aqueous Solutions: From Dimers to Vesicles. <i>Langmuir</i> , 2010, 26, 1716-1723.	3.5	27
77	Synthesis, physico-chemical properties and complexing abilities of new amphiphilic ligands from d-galacturonic acid. <i>Carbohydrate Research</i> , 2010, 345, 731-739.	2.3	16
78	Structure-activity relationship of cyclodextrin/biocidal double-tailed ammonium surfactant host-guest complexes: Towards a delivery molecular mechanism?. <i>European Journal of Pharmaceutical Sciences</i> , 2010, 41, 265-275.	4.0	25
79	Dimethylsulfoxide as a kinetic booster for the chemical generation of singlet oxygen in methanol. <i>Tetrahedron Letters</i> , 2010, 51, 6531-6534.	1.4	0
80	A QSPR Model for the Prediction of the "Fish-Tail" Temperature of C <sub>4</sub> /Water/Polar Hydrocarbon Oil Systems. <i>Langmuir</i> , 2010, 26, 7962-7970.	3.5	32
81	"Dark" Singlet Oxygenation of <sup>12</sup> -Citronellol: A Key Step in the Manufacture of Rose Oxide. <i>Organic Process Research and Development</i> , 2010, 14, 259-262.	2.7	59
82	Classification of terpene oils using the fish diagrams and the Equivalent Alkane Carbon (EACN) scale. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 338, 142-147.	4.7	41
83	Optimisation of the chemical generation of singlet oxygen (1O <sub>2</sub> , 1 <sup>1</sup> g) from the hydrogen peroxide-lanthanum(iii) catalytic system using an improved NIR spectrometer. <i>Photochemical and Photobiological Sciences</i> , 2009, 8, 1024.	2.9	3
84	Singlet Oxygen Generation from [Bis(trifluoroacetoxy)iodo]benzene and Hydrogen Peroxide. <i>Journal of Organic Chemistry</i> , 2009, 74, 4560-4564.	3.2	28
85	Lyotropic liquid crystal behaviour of azelate and succinate monoester surfactants based on fragrance alcohols. <i>Journal of Colloid and Interface Science</i> , 2008, 321, 177-185.	9.4	3
86	Oxidation in Three-Liquid-Phase Microemulsion Systems Using "Balanced Catalytic Surfactants". <i>Journal of the American Chemical Society</i> , 2008, 130, 14914-14915.	13.7	48