

Daniel S. Correa

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

168
papers

3,642
citations

36
h-index

50
g-index

184
ext. papers

4,501
ext. citations

5
avg. IF

5.91
L-index

#	Paper	IF	Citations
168	Electronic nose based on hybrid free-standing nanofibrous mats for meat spoilage monitoring. <i>Sensors and Actuators B: Chemical</i> , 2022 , 353, 131114	8.5	7
167	Rational hydrothermal synthesis of graphene quantum dots with optimized luminescent properties for sensing applications. <i>Materials Today Chemistry</i> , 2022 , 23, 100755	6.2	2
166	Current progress in plant pathogen detection enabled by nanomaterials-based (bio)sensors. <i>Sensors and Actuators Reports</i> , 2022 , 4, 100068	4.7	1
165	Homemade Silver/Silver Chloride ink with low curing temperature for screen-printed electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2022 , 116316	4.1	0
164	A Review on Chemiresistive ZnO Gas Sensors. <i>Sensors and Actuators Reports</i> , 2022 , 100100	4.7	8
163	Advances in 3D printed sensors for food analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2022 , 116672	14.6	1
162	Chitosan/Gold Nanoparticles Nanocomposite Film for Bisphenol A Electrochemical Sensing. <i>Electrochem</i> , 2022 , 3, 239-247	2.9	2
161	Multifunctional Wound Dressings Based on Electrospun Nanofibers 2022 , 297-329		
160	Polycaprolactone and polycaprolactone triol blends to obtain a stable liquid nanotechnological formulation: synthesis, characterization and - taste masking evaluation. <i>Drug Development and Industrial Pharmacy</i> , 2021 , 1-12	3.6	
159	Estimates of AgNP toxicity thresholds in support of environmental safety policies. <i>Journal of Nanoparticle Research</i> , 2021 , 24, 1	2.3	
158	Smart choices: Mechanisms of intelligent food packaging.. <i>Current Research in Food Science</i> , 2021 , 4, 932-936	3.8	2
157	Electrical Impedance-Based Electronic Tongues: Principles, Sensing Materials, Fabrication Techniques and Applications 2021 ,		1
156	Postharvest quality of papaya fruit wrapped with polyvinyl chloride film added with silver. <i>Acta Horticulturae</i> , 2021 , 265-272	0.3	0
155	The Food Materials Nexus: Next Generation Bioplastics and Advanced Materials from Agri-Food Residues (Adv. Mater. 43/2021). <i>Advanced Materials</i> , 2021 , 33, 2170342	24	0
154	Dye Adsorption Capacity of MoS ₂ Nanoflakes Immobilized on Poly(lactic acid) Fibrous Membranes. <i>ACS Applied Nano Materials</i> , 2021 , 4, 4881-4894	5.6	4
153	Wireless Tags with Hybrid Nanomaterials for Volatile Amine Detection. <i>ACS Sensors</i> , 2021 , 6, 2457-2464	9.2	8
152	Tailoring the Surface Properties of Micro/Nanofibers Using 0D, 1D, 2D, and 3D Nanostructures: A Review on Post-Modification Methods. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2100430	4.6	12

151	Two-dimensional MoS ₂ -based impedimetric electronic tongue for the discrimination of endocrine disrupting chemicals using machine learning. <i>Sensors and Actuators B: Chemical</i> , 2021 , 336, 129696	8.5	4
150	Bilayered electrospun membranes composed of poly(lactic-acid)/natural rubber: A strategy against curcumin photodegradation for wound dressing application. <i>Reactive and Functional Polymers</i> , 2021 , 163, 104889	4.6	5
149	Visually imperceptible mechanical damage of harvested tomatoes changes ethylene production, color, enzyme activity, and volatile compounds profile. <i>Postharvest Biology and Technology</i> , 2021 , 176, 111503	6.2	3
148	A Review on the Role and Performance of Cellulose Nanomaterials in Sensors. <i>ACS Sensors</i> , 2021 , 6, 2473-2496	3.2	18
147	Composite nanofibers membranes produced by solution blow spinning modified with CO ₂ -activated sugarcane bagasse fly ash for efficient removal of water pollutants. <i>Journal of Cleaner Production</i> , 2021 , 285, 125376	10.3	8
146	Effects of silver nanoparticles prenatal exposure on rat offspring development. <i>Environmental Toxicology and Pharmacology</i> , 2021 , 81, 103546	5.8	2
145	A Principal Curves-Based Method for Electronic Tongue Data Analysis. <i>IEEE Sensors Journal</i> , 2021 , 21, 4957-4965	4	1
144	Development of an Electronic Tongue Based on a Nanocomposite for Discriminating Flavor Enhancers and Commercial Salts. <i>IEEE Sensors Journal</i> , 2021 , 21, 1250-1256	4	7
143	Electrospun composite nanofibers as sensors for food analysis 2021 , 261-286		3
142	Electrochemical Detection of Bisphenol A by Tyrosinase Immobilized on Electrospun Nanofibers Decorated with Gold Nanoparticles. <i>Electrochem</i> , 2021 , 2, 41-49	2.9	7
141	Toxicity of Engineered Nanostructures in Aquatic Environments. <i>Environmental Chemistry for A Sustainable World</i> , 2021 , 171-202	0.8	0
140	Chemical Sensors Based on Nanofibers Produced by Electrospinning and Solution Blow Spinning 2021 ,		0
139	Nanocomposite-Based Chemiresistive Electronic Nose and Application in Coffee Analysis. <i>ACS Food Science & Technology</i> , 2021 , 1, 1464-1471		1
138	The Food-Materials Nexus: Next Generation Bioplastics and Advanced Materials from Agri-Food Residues. <i>Advanced Materials</i> , 2021 , 33, e2102520	24	10
137	Graphene Quantum Dots-Based Nanocomposites Applied in Electrochemical Sensors: A Recent Survey. <i>Electrochem</i> , 2021 , 2, 490-519	2.9	3
136	Discriminative detection of volatile organic compounds using an electronic nose based on TiO ₂ hybrid nanostructures. <i>Sensors and Actuators B: Chemical</i> , 2021 , 344, 130124	8.5	8
135	Effects of meso-tetrakis (4-sulfonatophenyl) porphyrin (TPPS) aggregation on its spectral and kinetic characteristics and singlet oxygen production. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 261, 120063	4.4	1
134	Nanofibers interfaces for biosensing: Design and applications. <i>Sensors and Actuators Reports</i> , 2021 , 3, 100048	4.7	5

133	Design of a bioelectronic tongue for glucose monitoring using zinc oxide nanofibers and graphene derivatives. <i>Sensors and Actuators Reports</i> , 2021 , 3, 100050	4.7	3
132	Detection of a SARS-CoV-2 sequence with genosensors using data analysis based on information visualization and machine learning techniques. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 5658-5670	7.8	8
131	Development of Cantilever Nanoimmunosensors Applied to the Detection of β Estradiol and Estrone in Water. <i>IEEE Sensors Journal</i> , 2020 , 20, 12620-12627	4	7
130	Nanochitin-based composite films as a disposable ethanol sensor. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 104163	6.8	4
129	Fabrication of random and aligned electrospun nanofibers containing graphene oxide for skeletal muscle cells scaffold. <i>Polymers for Advanced Technologies</i> , 2020 , 31, 1437-1443	3.2	9
128	Free-standing SiO ₂ /TiO ₂ /MoS ₂ composite nanofibrous membranes as nanoadsorbents for efficient Pb(II) removal. <i>New Journal of Chemistry</i> , 2020 , 44, 13030-13035	3.6	12
127	Potentiometric E-Tongue System for Geosmin/Isoborneol Presence Monitoring in Drinkable Water. <i>Sensors</i> , 2020 , 20,	3.8	10
126	Electrospun nanofibers versus drop casting films for designing an electronic tongue: comparison of performance for monitoring geosmin and 2-methylisoborneol in water samples. <i>Polymers for Advanced Technologies</i> , 2020 , 31, 2075-2082	3.2	7
125	Antibacterial Properties of Oregano Essential Oil Encapsulated in Poly(ϵ Caprolactone) Nanoparticles. <i>Advanced Science, Engineering and Medicine</i> , 2020 , 12, 864-869	0.6	1
124	GREEN-SYNTHESIZED GOLD NANOPARTICLES SUPPORTED ON CELLULOSE NANOWHISKERS FOR EASY-TO-INTERPRET COLORIMETRIC DETECTION OF CADMIUM (II). <i>Cellulose Chemistry and Technology</i> , 2020 , 54, 407-413	1.9	4
123	Electrochemical sensor based on polyamide 6/polypyrrole electrospun nanofibers coated with reduced graphene oxide for malathion pesticide detection. <i>Materials Research Express</i> , 2020 , 7, 015601	1.7	24
122	Cantilever Nanobiosensor Functionalized with Tyrosinase for Detection of Estrone and β Estradiol in Water. <i>Applied Biochemistry and Biotechnology</i> , 2020 , 190, 1512-1524	3.2	11
121	Laser patterning and induced reduction of graphene oxide functionalized silk fibroin. <i>Optical Materials</i> , 2020 , 99, 109540	3.3	4
120	A review on graphene quantum dots and their nanocomposites: from laboratory synthesis towards agricultural and environmental applications. <i>Environmental Science: Nano</i> , 2020 , 7, 3710-3734	7.1	41
119	Taste-masked nanoparticles containing Saquinavir for pediatric oral administration. <i>Materials Science and Engineering C</i> , 2020 , 117, 111315	8.3	6
118	The Effect of ZnO Nanoparticles Morphology on the Toxicity Towards Microalgae. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 48-63	1.3	5
117	Design of A Low-Cost and Disposable Paper-Based Immunosensor for the Rapid and Sensitive Detection of Aflatoxin B1. <i>Chemosensors</i> , 2020 , 8, 87	4	11
116	Advances in Functional Polymer Nanofibers: From Spinning Fabrication Techniques to Recent Biomedical Applications. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 45673-45701	9.5	65

115	Core-sheath nanostructured chitosan-based nonwovens as a potential drug delivery system for periodontitis treatment. <i>International Journal of Biological Macromolecules</i> , 2020 , 142, 521-534	7.9	26
114	Polycaprolactone nanofiber mats decorated with photoresponsive nanogels and silver nanoparticles: Slow release for antibacterial control. <i>Materials Science and Engineering C</i> , 2020 , 107, 110334	8.3	32
113	Impedimetric electronic tongue based on molybdenum disulfide and graphene oxide for monitoring antibiotics in liquid media. <i>Talanta</i> , 2020 , 217, 121039	6.2	16
112	Random laser in dye-doped electrospun nanofibers: Study of laser mode dynamics via temporal mapping of emission spectra using Pearson's correlation. <i>Journal of Luminescence</i> , 2020 , 224, 117281	3.8	7
111	The effect of alkyl chain of the imidazolium ring on the poly(o-methoxyaniline)/ionic liquid supercapacitor performance. <i>Journal of Solid State Electrochemistry</i> , 2019 , 23, 1109-1119	2.6	2
110	Polyvinylpyrrolidone electrospun nanofibers doped with Eu ³⁺ : Fabrication, characterization, and application in gas sensors. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 47775	2.9	5
109	Biocompatible and Biodegradable Electrospun Nanofibrous Membranes Loaded with Grape Seed Extract for Wound Dressing Application. <i>Journal of Nanomaterials</i> , 2019 , 2019, 1-11	3.2	23
108	Ternary nanocomposites based on cellulose nanowhiskers, silver nanoparticles and electrospun nanofibers: Use in an electronic tongue for heavy metal detection. <i>Sensors and Actuators B: Chemical</i> , 2019 , 290, 387-395	8.5	37
107	Detection of hydrogen peroxide (HO) using a colorimetric sensor based on cellulose nanowhiskers and silver nanoparticles. <i>Carbohydrate Polymers</i> , 2019 , 212, 235-241	10.3	59
106	Starch:Pectin Acidic Sachets Development for Hydroxyapatite Nanoparticles Storage to Improve Phosphorus Release. <i>Journal of Polymers and the Environment</i> , 2019 , 27, 794-802	4.5	6
105	Composite Nanofibers for Removing Water Pollutants: Fabrication Techniques 2019 , 441-468		1
104	Biodegradable Polymer Nanofibers Applied in Slow Release Systems for Agri-Food Applications 2019 , 291-316		2
103	Tuning the Electrical Properties of Electrospun Nanofibers with Hybrid Nanomaterials for Detecting Isoborneol in Water Using an Electronic Tongue. <i>Surfaces</i> , 2019 , 2, 432-443	2.9	8
102	Electrospun Ceramic Nanofibers and Hybrid-Nanofiber Composites for Gas Sensing. <i>ACS Applied Nano Materials</i> , 2019 , 2, 4026-4042	5.6	40
101	Nanostructured Antimicrobials in Food Packaging-Recent Advances. <i>Biotechnology Journal</i> , 2019 , 14, e1900068	5.6	28
100	CELLULOSE NANOFIBRILS MODIFICATION WITH POLYANILINE AIMING AT ENHANCING ELECTRICAL PROPERTIES FOR APPLICATION IN FLEXIBLE ELECTRONICS. <i>Cellulose Chemistry and Technology</i> , 2019 , 53, 775-786	1.9	4
99	The cyclic peptide labaditin does not alter the outer membrane integrity of <i>Salmonella enterica</i> serovar Typhimurium. <i>Scientific Reports</i> , 2019 , 9, 1993	4.9	7
98	Electronic Tongues for Inedible Media. <i>Sensors</i> , 2019 , 19,	3.8	12

97	Enhanced and selective ammonia detection using In ₂ O ₃ /reduced graphene oxide hybrid nanofibers. <i>Applied Surface Science</i> , 2019 , 473, 133-140	6.7	34
96	Conductive electrospun nanofibers containing cellulose nanowhiskers and reduced graphene oxide for the electrochemical detection of mercury(II). <i>Carbohydrate Polymers</i> , 2019 , 207, 747-754	10.3	47
95	Micropatterning MoS ₂ /Polyamide Electrospun Nanofibrous Membranes Using Femtosecond Laser Pulses. <i>Photonics</i> , 2019 , 6, 3	2.2	6
94	Controlled Release of Silver Nanoparticles Contained in Photoresponsive Nanogels.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 644-653	4.1	16
93	Electrical detection of pathogenic bacteria in food samples using information visualization methods with a sensor based on magnetic nanoparticles functionalized with antimicrobial peptides. <i>Talanta</i> , 2019 , 194, 611-618	6.2	34
92	Cellulose Whiskers Influence the Morphology and Antibacterial Properties of Silver Nanoparticles Composites. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 4876-4883	1.3	11
91	Urea impedimetric biosensing using electrospun nanofibers modified with zinc oxide nanoparticles. <i>Applied Surface Science</i> , 2018 , 443, 18-23	6.7	46
90	Optical sensor based on fluorescent PMMA/PFO electrospun nanofibers for monitoring volatile organic compounds. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 46128	2.9	23
89	ZnO-Co ₃ O ₄ heterostructure electrospun nanofibers modified with poly(sodium 4-styrenesulfonate): Evaluation of humidity sensing properties. <i>Journal of Alloys and Compounds</i> , 2018 , 767, 1022-1029	5.7	16
88	Ultrasensitive biosensor based on polyvinylpyrrolidone/chitosan/reduced graphene oxide electrospun nanofibers for 17 β -Ethinylestradiol electrochemical detection. <i>Applied Surface Science</i> , 2018 , 458, 431-437	6.7	41
87	Sensitive and Selective NH ₄ ⁺ Monitoring at Room Temperature Using ZnO Ceramic Nanofibers Decorated with Poly(styrene sulfonate). <i>Sensors</i> , 2018 , 18,	3.8	32
86	Nanoparticles and Antimicrobial Food Packaging 2018 ,		5
85	Composite Nanofibers for Removing Water Pollutants: Fabrication Techniques 2018 , 1-29		
84	Femtosecond laser micromachining of polylactic acid/graphene composites for designing interdigitated microelectrodes for sensor applications. <i>Optics and Laser Technology</i> , 2018 , 101, 74-79	4.2	18
83	Biocompatible electrospun nanofibers containing cloxacillin: Antibacterial activity and effect of pH on the release profile. <i>Reactive and Functional Polymers</i> , 2018 , 132, 26-35	4.6	23
82	Hybrid nanomaterials designed for volatile organic compounds sensors: A review. <i>Materials and Design</i> , 2018 , 156, 154-166	8.1	81
81	Voltammetric cadmium(II) sensor based on a fluorine doped tin oxide electrode modified with polyamide 6/chitosan electrospun nanofibers and gold nanoparticles. <i>Mikrochimica Acta</i> , 2017 , 184, 1077-1084 ²⁰	5.8	20
80	One-pot preparation of PEDOT:PSS-reduced graphene decorated with Au nanoparticles for enzymatic electrochemical sensing of H ₂ O ₂ . <i>Applied Surface Science</i> , 2017 , 407, 162-170	6.7	56

79	Detection of trace levels of organophosphate pesticides using an electronic tongue based on graphene hybrid nanocomposites. <i>Talanta</i> , 2017 , 167, 59-66	6.2	109
78	Electrospinning-based (bio)sensors for food and agricultural applications: A review. <i>TrAC - Trends in Analytical Chemistry</i> , 2017 , 91, 91-103	14.6	154
77	Information Visualization and Feature Selection Methods Applied to Detect Gliadin in Gluten-Containing Foodstuff with a Microfluidic Electronic Tongue. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 19646-19652	9.5	38
76	Printed microfluidic filter for heparinized blood. <i>Biomicrofluidics</i> , 2017 , 11, 034101	3.2	8
75	Nanoscaled Platforms Based on SiO ₂ and Al ₂ O ₃ Impregnated with Potassium Permanganate Use Color Changes to Indicate Ethylene Removal. <i>Food and Bioprocess Technology</i> , 2017 , 10, 1622-1630	5.1	24
74	Investigation of nanotoxicological effects of nanostructured hydroxyapatite to microalgae <i>Pseudokirchneriella subcapitata</i> . <i>Ecotoxicology and Environmental Safety</i> , 2017 , 144, 138-147	7	10
73	Efavirenz dissolution enhancement III: Colloid milling, pharmacokinetics and electronic tongue evaluation. <i>European Journal of Pharmaceutical Sciences</i> , 2017 , 99, 310-317	5.1	10
72	Immunosensor for Pancreatic Cancer Based on Electrospun Nanofibers Coated with Carbon Nanotubes or Gold Nanoparticles. <i>ACS Omega</i> , 2017 , 2, 6975-6983	3.9	37
71	A flexible and disposable poly(sodium 4-styrenesulfonate)/polyaniline coated glass microfiber paper for sensitive and selective detection of ammonia at room temperature. <i>Synthetic Metals</i> , 2017 , 233, 22-27	3.6	13
70	Solution blow spun PMMA nanofibers wrapped with reduced graphene oxide as an efficient dye adsorbent. <i>New Journal of Chemistry</i> , 2017 , 41, 9087-9094	3.6	39
69	Cytotoxic and genotoxic effects of silver nanoparticle/carboxymethyl cellulose on <i>Allium cepa</i> . <i>Environmental Monitoring and Assessment</i> , 2017 , 189, 352	3.1	18
68	Hybrid composite material based on polythiophene derivative nanofibers modified with gold nanoparticles for optoelectronics applications. <i>Journal of Materials Science</i> , 2017 , 52, 1919-1929	4.3	29
67	Interaction of peptides obtained from the enzymatic hydrolysis of soybean meal with cyclodextrins: an evaluation of bitterness reduction. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2017 , 89, 59-69	1.7	3
66	Silk fibroin organization induced by chitosan in layer-by-layer films: Application as a matrix in a biosensor. <i>Carbohydrate Polymers</i> , 2017 , 155, 146-151	10.3	24
65	Hybrid layer-by-layer (LbL) films of polyaniline, graphene oxide and zinc oxide to detect ammonia. <i>Sensors and Actuators B: Chemical</i> , 2017 , 238, 795-801	8.5	61
64	Ultrafast Laser Pulses for Structuring Materials at Micro/Nano Scale: From Waveguides to Superhydrophobic Surfaces. <i>Photonics</i> , 2017 , 4, 8	2.2	22
63	Chemical sensors based on hybrid nanomaterials for food analysis 2017 , 205-244		9
62	Fluorescent and Colorimetric Electrospun Nanofibers for Heavy-Metal Sensing. <i>Biosensors</i> , 2017 , 7,	5.9	55

61	An electronic tongue based on conducting electrospun nanofibers for detecting tetracycline in milk samples. <i>RSC Advances</i> , 2016 , 6, 103740-103746	3-7	24
60	Postharvest Quality of Fresh-Cut Carrots Packaged in Plastic Films Containing Silver Nanoparticles. <i>Food and Bioprocess Technology</i> , 2016 , 9, 637-649	5-1	25
59	Inkjet printing of UV-curable adhesive and dielectric inks for microfluidic devices. <i>Lab on A Chip</i> , 2016 , 16, 70-4	7-2	39
58	Extent of shielding by counterions determines the bactericidal activity of N,N,N-trimethyl chitosan salts. <i>Carbohydrate Polymers</i> , 2016 , 137, 418-425	10-3	26
57	INFLUENCE OF 1-METHYLCYCLOPROPENE ON THE BIOCHEMICAL RESPONSE AND RIPENING OF BOLOPAPAYAS. <i>Revista Brasileira De Fruticultura</i> , 2016 , 38,	1-2	3
56	Synthesis of a nanocomposite containing a water-soluble polythiophene derivative and gold nanoparticles. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016 , 54, 1245-1254	2-6	6
55	Experimental evidence for the mode of action based on electrostatic and hydrophobic forces to explain interaction between chitosans and phospholipid Langmuir monolayers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 145, 201-207	6	20
54	Three-Dimensional Microstructures for Biological Applications 2016 , 355-376		1
53	Acyated Carrageenan Changes the Physicochemical Properties of Mixed Enzyme-Lipid Ultrathin Films and Enhances the Catalytic Properties of Sucrose Phosphorylase Nanostructured as Smart Surfaces. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 5359-66	3-4	11
52	Excited-state absorption of meso-tetrasulfonatophenyl porphyrin: Effects of pH and micelles. <i>Optical Materials</i> , 2015 , 42, 516-521	3-3	9
51	Layer-by-Layer assembled films of chitosan and multi-walled carbon nanotubes for the electrochemical detection of 17 β -ethinylestradiol. <i>Journal of Electroanalytical Chemistry</i> , 2015 , 755, 215-220	4-1	43
50	Polyethylene Films Containing Silver Nanoparticles for Applications in Food Packaging: Characterization of Physico-Chemical and Anti-Microbial Properties. <i>Journal of Nanoscience and Nanotechnology</i> , 2015 , 15, 2148-56	1-3	46
49	Improving the electrochemical properties of polyamide 6/polyaniline electrospun nanofibers by surface modification with ZnO nanoparticles. <i>RSC Advances</i> , 2015 , 5, 73875-73881	3-7	37
48	Toxicity of PVA-stabilized silver nanoparticles to algae and microcrustaceans. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2015 , 3, 22-29	3-3	52
47	Electronic Tongue Based on Nanostructured Hybrid Films of Gold Nanoparticles and Phthalocyanines for Milk Analysis. <i>Journal of Nanomaterials</i> , 2015 , 2015, 1-7	3-2	19
46	Single-Walled Carbon Nanotubes Functionalized with Carboxylic Acid for Fabricating Polymeric Composite Microstructures. <i>Journal of Nanoscience and Nanotechnology</i> , 2015 , 15, 9797-801	1-3	4
45	Electrospun polyamide 6/poly(allylamine hydrochloride) nanofibers functionalized with carbon nanotubes for electrochemical detection of dopamine. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 4784-90	9-5	147
44	Femtosecond laser ablation of gold interdigitated electrodes for electronic tongues. <i>Optics and Laser Technology</i> , 2015 , 69, 148-153	4-2	9

43	Fabrication of zinc oxide nanowires/polymer composites by two-photon polymerization. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2014 , 52, 333-337	2.6	21
42	Characterization of two- and three-photon absorption of polyfluorene derivatives. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2014 , 52, 747-754	2.6	11
41	Direct laser writing by two-photon polymerization as a tool for developing microenvironments for evaluation of bacterial growth. <i>Materials Science and Engineering C</i> , 2014 , 35, 185-9	8.3	9
40	Interaction of O-acylated chitosans with biomembrane models: probing the effects from hydrophobic interactions and hydrogen bonding. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 114, 53-9	6	24
39	Layer-by-layer fabrication of AgCl-PANI hybrid nanocomposite films for electronic tongues. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 24275-81	3.6	28
38	Bio-inspired sensor for insect pheromone analysis based on polyaniline functionalized AFM cantilever sensor. <i>Sensors and Actuators B: Chemical</i> , 2014 , 191, 643-649	8.5	27
37	Femtosecond lasers for processing glassy and polymeric materials. <i>Materials Research</i> , 2014 , 17, 352-358	1.5	8
36	Nanostructured conjugated polymers in chemical sensors: synthesis, properties and applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2014 , 14, 6509-27	1.3	56
35	Fluorescent PMMA/MEH-PPV electrospun nanofibers: Investigation of morphology, solvent, and surfactant effect. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2014 , 52, 1388-1394	2.6	27
34	Femtosecond laser processing of glassy and polymeric matrices containing metals and semiconductor nanostructures. <i>Optical Materials</i> , 2013 , 35, 2643-2648	3.3	21
33	Excited states absorption spectra of porphyrins in solution: Solvent effects. <i>Chemical Physics Letters</i> , 2013 , 587, 118-123	2.5	31
32	Low molecular-weight chitosans are stronger biomembrane model perturbants. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 104, 48-53	6	18
31	Effect of interaction with micelles on the excited-state optical properties of zinc porphyrins and J-aggregates formation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013 , 112, 309-17	4.4	28
30	Birefringent microstructures fabricated by two-photon polymerization containing an azopolymer. <i>Optical Materials Express</i> , 2013 , 3, 21	2.6	10
29	Two-photon absorption in oxazole derivatives: An experimental and quantum chemical study. <i>Optical Materials</i> , 2012 , 34, 1013-1018	3.3	11
28	Femtosecond Laser in Polymeric Materials: Microfabrication of Doped Structures and Micromachining. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2012 , 18, 176-186	3.8	42
27	Modification of electrospun nylon nanofibers using layer-by-layer films for application in flow injection electronic tongue: Detection of paraoxon pesticide in corn crop. <i>Sensors and Actuators B: Chemical</i> , 2012 , 171-172, 249-255	8.5	42
26	Two-photon excitation and optical limiting in polyfluorene derivatives. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012 , 50, 148-153	2.6	12

25	Emission features of microstructures fabricated by two-photon polymerization containing three organic dyes. <i>Optical Materials Express</i> , 2012 , 2, 1803	2.6	18
24	Indirect doping of microstructures fabricated by two-photon polymerization with gold nanoparticles. <i>Optics Express</i> , 2012 , 20, 21107-13	3.3	17
23	Selective excitation through tapered silica fibers of fluorescent two-photon polymerized structures. <i>Applied Physics A: Materials Science and Processing</i> , 2011 , 102, 435-439	2.6	5
22	Effects of environment on the photophysical characteristics of mesotetrakis methylpyridiniumyl porphyrin (TMPyP). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011 , 79, 1532-9	4.4	31
21	Experimental and theoretical study of two-photon absorption in nitrofurans derivatives: Promising compounds for photochemotherapy. <i>Journal of Chemical Physics</i> , 2011 , 134, 014509	3.9	19
20	Excited State Absorption of Doped and Undoped Polyaniline. <i>Molecular Crystals and Liquid Crystals</i> , 2010 , 523, 304/[876]-309/[881]	0.5	1
19	Electrostatic interactions are not sufficient to account for chitosan bioactivity. <i>ACS Applied Materials & Interfaces</i> , 2010 , 2, 246-51	9.5	39
18	Three-dimensional fabrication of optically active microstructures containing an electroluminescent polymer. <i>Applied Physics Letters</i> , 2009 , 95, 113309	3.4	40
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15	Optical birefringence induced by two-photon absorption in polythiophene bearing an azochromophore. <i>Polymer</i> , 2008 , 49, 1562-1566	3.9	19
14	Probing chitosan and phospholipid interactions using Langmuir and Langmuir-Blodgett films as cell membrane models. <i>Langmuir</i> , 2007 , 23, 7666-71	4	91
13	Three- and Four-Photon Excitation of Poly(2-methoxy-5-(2-ethylhexyloxy)-1,4-phenylenevinylene) (MEH-PPV). <i>Advanced Materials</i> , 2007 , 19, 2653-2656	24	29
12	Z-scan theoretical analysis for three-, four- and five-photon absorption. <i>Optics Communications</i> , 2007 , 277, 440-445	2	70
11	Excited state absorption in conjugated polymers: Photoinduced transparency. <i>Polymer</i> , 2007 , 48, 5303-5307	3.07	9
10	Excited state absorption spectrum of chlorophyll a obtained with white-light continuum. <i>Journal of Chemical Physics</i> , 2007 , 126, 165102	3.9	25
9	Two-photon absorption cross-section spectrum of a conjugated polymer obtained using the white-light continuum Z-scan technique. <i>Applied Physics Letters</i> , 2006 , 88, 021911	3.4	32
8	Investigation of the two-photon absorption cross-section in perylene tetracarboxylic derivatives: nonlinear spectra and molecular structure. <i>Journal of Physical Chemistry A</i> , 2006 , 110, 6433-8	2.8	49

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