

Greta Varchi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6395138/publications.pdf>

Version: 2024-02-01

96
papers

2,054
citations

218381

26
h-index

301761

39
g-index

107
all docs

107
docs citations

107
times ranked

2920
citing authors

#	ARTICLE	IF	CITATIONS
1	New Polyfunctional Magnesium Reagents for Organic Synthesis. <i>Chemistry - A European Journal</i> , 2000, 6, 767-770.	1.7	100
2	A SMYD3 Small Molecule Inhibitor Impairing Cancer Cell Growth. <i>Journal of Cellular Physiology</i> , 2015, 230, 2447-2460.	2.0	95
3	Copper Catalyzed Conjugate Addition of Highly Functionalized Arylmagnesium Compounds to Enones. <i>Tetrahedron</i> , 2000, 56, 2727-2731.	1.0	90
4	Mesenchymal stem cells as delivery vehicle of porphyrin loaded nanoparticles: Effective photoinduced in vitro killing of osteosarcoma. <i>Journal of Controlled Release</i> , 2013, 168, 225-237.	4.8	81
5	Quinazolinone SIRT6 inhibitors sensitize cancer cells to chemotherapeutics. <i>European Journal of Medicinal Chemistry</i> , 2015, 102, 530-539.	2.6	78
6	Engineered porphyrin loaded core-shell nanoparticles for selective sonodynamic anticancer treatment. <i>Nanomedicine</i> , 2015, 10, 3483-3494.	1.7	57
7	Rapid microwave-assisted deprotection of N-Cbz and N-Bn derivatives. <i>Tetrahedron Letters</i> , 2001, 42, 5191-5194.	0.7	56
8	Methylene Blue Doped Films of Wool Keratin with Antimicrobial Photodynamic Activity. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 17416-17424.	4.0	56
9	A New Avenue toward Androgen Receptor Pan-antagonists: C2 Sterically Hindered Substitution of Hydroxy-propanamides. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 7263-7279.	2.9	53
10	Keratin-hydroxycalcitriol hybrid films for drug delivery applications. <i>European Polymer Journal</i> , 2018, 105, 177-185.	2.6	50
11	Synthesis of Heterocycles Through Hydrosilylation, Silylformylation, Silylcarbocyclization and Cyclohydrocarbonylation Reactions. <i>Current Organic Chemistry</i> , 2006, 10, 1341-1362.	0.9	49
12	2-Hydroxypropyl- β -cyclodextrin-enhanced pharmacokinetics of cabotegravir from a nanofluidic implant for HIV pre-exposure prophylaxis. <i>Journal of Controlled Release</i> , 2019, 306, 89-96.	4.8	49
13	Organic solvent-free preparation of keratin nanoparticles as doxorubicin carriers for antitumour activity. <i>Materials Science and Engineering C</i> , 2018, 90, 476-484.	3.8	48
14	1,4-Substituted Triazoles as Nonsteroidal Anti-Androgens for Prostate Cancer Treatment. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 3082-3093.	2.9	44
15	Polymeric nanoparticles enhance the sonodynamic activity of meso-tetrakis (4-sulfonatophenyl) porphyrin in an in vitro neuroblastoma model. <i>International Journal of Nanomedicine</i> , 2013, 8, 4247.	3.3	37
16	Mesenchymal stromal cells mediated delivery of photoactive nanoparticles inhibits osteosarcoma growth in vitro and in a murine in vivo ectopic model. <i>Journal of Experimental and Clinical Cancer Research</i> , 2020, 39, 40.	3.5	37
17	Stereoselective Three-Carbon and Two-Carbon Elongation of the Carbon Chain in N-Boc-Protected β -Aminoacylsilanes: An Entry to Functionalized β -Amino Alcohols and to Statine Analogues. <i>Journal of Organic Chemistry</i> , 1999, 64, 8008-8013.	1.7	36
18	Preparation of Functionalized Magnesiated Aniline Derivatives. <i>Synlett</i> , 2001, 2001, 0477-0480.	1.0	34

#	ARTICLE	IF	CITATIONS
19	Functionalized Keratin as Nanotechnology-Based Drug Delivery System for the Pharmacological Treatment of Osteosarcoma. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3670.	1.8	34
20	Anticancer activity of paclitaxel-loaded keratin nanoparticles in two-dimensional and perfused three-dimensional breast cancer models. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 4847-4867.	3.3	33
21	A Small-Molecule Targeting the MicroRNA Binding Domain of Argonaute 2 improves the Retinoic Acid Differentiation Response of the Acute Promyelocytic Leukemia Cell Line NB4. <i>ACS Chemical Biology</i> , 2014, 9, 1674-1679.	1.6	29
22	Androgen Receptor Targeted Conjugate for Bimodal Photodynamic Therapy of Prostate Cancer in Vitro. <i>Bioconjugate Chemistry</i> , 2015, 26, 1662-1671.	1.8	29
23	Stereoselective One-Pot Synthesis of Constrained N,O-Orthogonally Protected C-Glycosyl Norstatins [C(1 α)-Aminoglycosyl-1,3-dioxolan-4-ones]. <i>Journal of Organic Chemistry</i> , 2006, 71, 6785-6795.	1.7	28
24	Chlorin e6 keratin nanoparticles for photodynamic anticancer therapy. <i>RSC Advances</i> , 2016, 6, 33910-33918.	1.7	27
25	Development of near-infrared photoactivable phthalocyanine-loaded nanoparticles to kill tumor cells: An improved tool for photodynamic therapy of solid cancers. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 1885-1897.	1.7	27
26	Developing keratin sponges with tunable morphologies and controlled antioxidant properties induced by doping with polydopamine (PDA) nanoparticles. <i>Materials and Design</i> , 2016, 110, 475-484.	3.3	27
27	Keratin nanoparticles co-delivering Docetaxel and Chlorin e6 promote synergic interaction between chemo- and photo-dynamic therapies. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 199, 111598.	1.7	27
28	Extremely facile formation and high reactivity of new thioacylsilanes containing the ferrocene moiety. <i>Tetrahedron Letters</i> , 1999, 40, 6473-6476.	0.7	26
29	Molecular beacon-decorated polymethylmethacrylate core-shell fluorescent nanoparticles for the detection of survivin mRNA in human cancer cells. <i>Biosensors and Bioelectronics</i> , 2017, 88, 15-24.	5.3	26
30	Light-Induced Therapies for Prostate Cancer Treatment. <i>Frontiers in Chemistry</i> , 2019, 7, 719.	1.8	26
31	One Pot Synthesis of New β -Lactams Containing the Ferrocene Moiety. <i>Synlett</i> , 2001, 2001, 1092-1096.	1.0	25
32	Core-shell poly-methyl methacrylate nanoparticles covalently functionalized with a non-symmetric porphyrin for anticancer photodynamic therapy. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 186, 169-177.	1.7	22
33	Concise and Stereocontrolled Synthesis of Pseudo-C2-symmetric Diamino Alcohols and Triamines for Use in HIV Protease Inhibitors. <i>Journal of Organic Chemistry</i> , 2003, 68, 1418-1425.	1.7	21
34	Semisynthesis, Biological Activity, and Molecular Modeling Studies of C-Ring-Modified Camptothecins. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 1029-1039.	2.9	21
35	Wool Keratin 3D Scaffolds with Light-Triggered Antimicrobial Activity. <i>Biomacromolecules</i> , 2016, 17, 2882-2890.	2.6	21
36	Keratin-Based Nanoparticles as Drug Delivery Carriers. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9417.	1.3	21

#	ARTICLE	IF	CITATIONS
37	Effect of Small Molecules Modulating Androgen Receptor (SARMs) in Human Prostate Cancer Models. PLoS ONE, 2013, 8, e62657.	1.1	20
38	Synthesis of Enantiopure $\hat{1}^2$ - and $\hat{1}^3$ -Amino Alcohols from Homochiral $\hat{1}^\pm$ - and $\hat{1}^2$ -Aminoacylsilanes as Stable Synthetic Equivalents of $\hat{1}^\pm$ - and $\hat{1}^2$ -Amino Aldehydes. European Journal of Organic Chemistry, 1999, 1999, 437-445.	1.2	19
39	Thiocamptothecin. Journal of Medicinal Chemistry, 2008, 51, 3040-3044.	2.9	19
40	A Convenient Conversion of $\hat{1}^\pm$ -Aminoacids into NH-Boc Protected $\hat{1}^\pm$ -Aminoketones via Imidazolides. Synlett, 1998, 1998, 1013-1015.	1.0	18
41	Direct preparation of polyfunctional amino-substituted arylmagnesium reagents via an iodine-magnesium exchange reaction. Chemical Communications, 2003, , 396-397.	2.2	18
42	Synthesis of Deserpidine from Reserpine. Journal of Natural Products, 2005, 68, 1629-1631.	1.5	18
43	Synthesis of chiral $\hat{1}^2,2,3$ -amino-2-hydroxyalkanoates and 3-alkyl-3-hydroxy- $\hat{1}^2$ -lactams by double asymmetric induction. Tetrahedron, 2007, 63, 7949-7969.	1.0	18
44	Polymer nanoparticles with electrostatically loaded multicargo for combined cancer phototherapy. Journal of Materials Chemistry B, 2015, 3, 3001-3010.	2.9	18
45	Extraction and Characterization of Keratin from Different Biomasses. Springer Series on Polymer and Composite Materials, 2019, , 35-76.	0.5	18
46	Synthesis of 7- and 10-spermine conjugates of paclitaxel and 10-deacetyl-paclitaxel as potential prodrugs. Tetrahedron Letters, 2006, 47, 2667-2670.	0.7	17
47	The first synthesis of N,O-protected $\hat{1}^2,2,3$ -isoserines bearing two adjacent quaternary stereogenic centers and their corresponding $\hat{1}^2$ -lactams. Tetrahedron Letters, 2007, 48, 5081-5085.	0.7	17
48	A photodynamic bifunctional conjugate for prostate cancer: an in vitro mechanistic study. Investigational New Drugs, 2017, 35, 115-123.	1.2	16
49	Core-shell poly-methylmethacrylate nanoparticles as effective carriers of electrostatically loaded anionic porphyrin. Photochemical and Photobiological Sciences, 2013, 12, 760-769.	1.6	15
50	Optical biosensor analysis in studying new synthesized bicalutamide analogs binding to androgen receptor. Journal of Pharmaceutical and Biomedical Analysis, 2014, 95, 151-157.	1.4	15
51	Thiophene-Based Compounds as Fluorescent Tags to Study Mesenchymal Stem Cell Uptake and Release of Taxanes. Bioconjugate Chemistry, 2014, 25, 649-655.	1.8	15
52	TPPS supported on core-shell PMMA nanoparticles: the development of continuous-flow membrane-mediated electrocoagulation as a photocatalyst processing method in aqueous media. Green Chemistry, 2015, 17, 1907-1917.	4.6	15
53	Silk fibroin film from golden-yellow <i>Bombyx mori</i> is a biocomposite that contains lutein and promotes axonal growth of primary neurons. Biopolymers, 2016, 105, 287-299.	1.2	15
54	Sulfonates-PMMA nanoparticles conjugates: A versatile system for multimodal application. Bioorganic and Medicinal Chemistry, 2012, 20, 6640-6647.	1.4	14

#	ARTICLE	IF	CITATIONS
55	Unprecedented Behavior of (R)-9-Hydroxystearic Acid-Loaded Keratin Nanoparticles on Cancer Cell Cycle. <i>Molecular Pharmaceutics</i> , 2019, 16, 931-942.	2.3	14
56	Elucidating new structural features of the triazole scaffold for the development of mPGES-1 inhibitors. <i>MedChemComm</i> , 2015, 6, 75-79.	3.5	12
57	Nitric Oxide Photo-Donor Hybrids of Ciprofloxacin and Norfloxacin: A Shift in Activity from Antimicrobial to Anticancer Agents. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 11597-11613.	2.9	12
58	SILK.IT project: Silk Italian Technology for industrial biomanufacturing. <i>Composites Part B: Engineering</i> , 2015, 68, 281-287.	5.9	11
59	The Role of Polyamine Architecture on the Pharmacological Activity of Open Lactone Camptothecin~Polyamine Conjugates. <i>Bioconjugate Chemistry</i> , 2008, 19, 2270-2279.	1.8	10
60	Mild and Effective Polymerization of Dopamine on Keratin Films for Innovative Photoactivable and Biocompatible Coated Materials. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1700653.	1.7	10
61	New chiral allylaminosilanes and their use in asymmetric Sakurai reactions. <i>Tetrahedron: Asymmetry</i> , 1998, 9, 2979-2981.	1.8	9
62	Synthesis of \pm -2,2',1',2'-Diamino Acids by Double Stereodifferentiation Aldol Addition of Oxazolidinone Enolates to <i>N</i> -tert-Butylsulfinyl Imines. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 3834-3844.	1.2	9
63	Nonsteroidal Androgen Receptor Ligands: Versatile Syntheses and Biological Data. <i>ACS Medicinal Chemistry Letters</i> , 2012, 3, 454-458.	1.3	9
64	Pheophorbide A and Paclitaxel Bioresponsive Nanoparticles as Double-Punch Platform for Cancer Therapy. <i>Pharmaceutics</i> , 2021, 13, 1130.	2.0	9
65	Silylcupration of acylimidazolides: a new synthesis of \pm -aminoacylsilanes and their synthetic applications. <i>Polyhedron</i> , 2000, 19, 529-531.	1.0	8
66	Selective sensitiveness of mesenchymal stem cells to shock waves leads to anticancer effect in human cancer cell co-cultures. <i>Life Sciences</i> , 2017, 173, 28-35.	2.0	8
67	Polymeric nanoparticles promote endocytosis of a survivin molecular beacon: Localization and fate of nanoparticles and beacon in human A549 cells. <i>Life Sciences</i> , 2018, 215, 106-112.	2.0	8
68	Intercalation of Bioactive Molecules into Nanosized ZnAl Hydrotalcites for Combined Chemo and Photo Cancer Treatment. <i>ACS Applied Nano Materials</i> , 2018, 1, 6387-6397.	2.4	8
69	Keratin nanoparticles and photodynamic therapy enhance the anticancer stem cells activity of salinomycin. <i>Materials Science and Engineering C</i> , 2021, 122, 111899.	3.8	8
70	Synthesis and reactivity of achiral and of a novel planar chiral thioferrocenoylsilanes. <i>Journal of Organometallic Chemistry</i> , 2001, 637-639, 407-417.	0.8	7
71	Species-dependent binding of new synthesized bicalutamide analogues to albumin by optical biosensor analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 111, 324-332.	1.4	7
72	Novel 20(S)-sulfonylamidine derivatives of camptothecin and the use thereof as a potent antitumor agent: a patent evaluation of WO2015048365 (A1). <i>Expert Opinion on Therapeutic Patents</i> , 2016, 26, 637-642.	2.4	7

#	ARTICLE	IF	CITATIONS
73	Non-Steroidal Androgen Receptor Antagonists and Prostate Cancer: A Survey on Chemical Structures Binding this Fast-Mutating Target. <i>Current Medicinal Chemistry</i> , 2019, 26, 6053-6073.	1.2	7
74	HSA-Binding Prodrugs-Based Nanoparticles Endowed with Chemo and Photo-Toxicity against Breast Cancer. <i>Cancers</i> , 2022, 14, 877.	1.7	7
75	Two Beats One: Osteosarcoma Therapy with Light-Activated and Chemo-Releasing Keratin Nanoformulation in a Preclinical Mouse Model. <i>Pharmaceutics</i> , 2022, 14, 677.	2.0	7
76	Structure-Activity Relationship Study of 16 Thiocamptothecins: an Integrated In Vitro and In Silico Approach. <i>ChemMedChem</i> , 2010, 5, 2006-2015.	1.6	6
77	Camptothecin and Thiocamptothecin: the Role of Sulfur in Shifting the Hydrolysis Equilibrium towards the Closed Lactone Form. <i>ChemMedChem</i> , 2011, 6, 1706-1714.	1.6	6
78	Silk Fibroin Based Technology for Industrial Biomanufacturing. , 2019, , 409-430.		5
79	Complex Nanostructures Based on Oligonucleotide Optical Switches and Nanoparticles for Intracellular mRNA Sensing and Silencing. <i>Procedia Engineering</i> , 2014, 87, 751-754.	1.2	4
80	Polyenylcyclopropane carboxylic esters with high insecticidal activity. <i>Pest Management Science</i> , 2015, 71, 728-736.	1.7	4
81	Molecular Design of Compounds Targeting Histone Methyltransferases. , 2016, , 257-272.		4
82	Raman spectroscopic characterisation of photo-active keratin doped with Methylene Blue for wound dressings and tissue engineering. <i>Biomedical Spectroscopy and Imaging</i> , 2016, 5, 207-215.	1.2	3
83	Diastereoselective Synthesis of Diamino 1,2-Diols from Homochiral $\hat{\pm}$ -Aminoacylsilanes. <i>Synlett</i> , 2001, 2001, 0995-0998.	1.0	2
84	Intracellular delivery of molecular beacons by PMMA nanoparticles and carbon nanotubes for mRNA sensing. , 2013, , .		2
85	Enantiomeric HPLC resolution and absolute stereochemistry assignment of a new poligamain derivative. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 75, 118-122.	1.4	2
86	Oligonucleotide switches and nanomaterials for intracellular mRNA sensing. , 2013, , .		1
87	Intracellular Nanosensing and Nanodelivery by PMMA Nanoparticles. <i>Lecture Notes in Electrical Engineering</i> , 2014, , 69-75.	0.3	1
88	Highlights of the Fifth International Workshop on Nitric Oxide and Cancer. <i>Critical Reviews in Oncogenesis</i> , 2016, 21, 309-324.	0.2	1
89	Direct Preparation of Polyfunctional Amino-Substituted Arylmagnesium Reagents via an Iodine-Magnesium Exchange Reaction.. <i>ChemInform</i> , 2003, 34, no.	0.1	0
90	Polymethylmethacrylate Nanoparticles as Vehicle for a Molecular Beacon Specific for Survivin mRNA in A549 Cells. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
91	Polymethylmethacrylate nanoparticles as carrier of an oligodeoxynucleotide molecular beacon specific for survivin mRNA in A549 human lung adenocarcinoma epithelial cells. , 2015, , .		0
92	Preface: Nitric Oxide and Cancer: Pathological and Therapeutic Aspects. Critical Reviews in Oncogenesis, 2016, 21, v.	0.2	0
93	A Glance at Drug Delivery Systems and Emerging Immunotherapeutic Strategies for the Treatment of Glioblastoma. Frontiers in Clinical Drug Research Anti-cancer Agents, 2021, , 37-81.	0.2	0
94	Light-Guided Production of Nitric Oxide and Singlet Oxygen for the Multimodal Treatment of Cancer. , 2019, , 337-338.		0
95	Internalization by PMMA nanoparticle-mediated endocytosis of a survivin molecular beacon as theranostic agent in human cancer cells.. , 2020, , .		0
96	Intracellular sensing by a survivin molecular beacon coupled to PMMA nanoparticles in human cancer cells. , 0, , .		0