## Mostafa E Rateb

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/9117042/publications.pdf

Version: 2024-02-01

122 papers

4,150 citations

34 h-index 138417 58 g-index

127 all docs

127 docs citations

times ranked

127

5250 citing authors

#	Article	IF	Citations
1	Four new phenolics and antiparasitic secondary metabolites from <i>Flacourtia rukam</i> Zoll. & Samp; Mortizi. Natural Product Research, 2022, 36, 3626-3637.	1.0	4
2	The Red Sea marine sponge <i>Spongia irregularis</i> : metabolomic profiling and cytotoxic potential supported by <i>in silico</i> studies. Natural Product Research, 2022, 36, 6359-6363.	1.0	1
3	Bacterial and fungal disinfection via ozonation in air. Journal of Microbiological Methods, 2022, 194, 106431.	0.7	21
4	Cytotoxic potential of i> Nephthea / i> spderived actinomycetes supported by metabolomics analysis. Natural Product Research, 2022, 36, 6464-6469.	1.0	2
5	Neoechinulin A as a Promising SARS-CoV-2 Mpro Inhibitor: In Vitro and In Silico Study Showing the Ability of Simulations in Discerning Active from Inactive Enzyme Inhibitors. Marine Drugs, 2022, 20, 163.	2.2	19
6	Stabilisation of Ozone in Water for Microbial Disinfection. Environments - MDPI, 2022, 9, 45.	1.5	11
7	Metabolomic profiling, biological evaluation of <i>Aspergillus awamori</i> , the river Nile-derived fungus using epigenetic and OSMAC approaches. RSC Advances, 2021, 11, 6709-6719.	1.7	7
8	Comparative phytochemical analysis of five Egyptian strawberry cultivars ( <i>Fragaria</i> Ā— <i>ananassa</i> Duch.) and antidiabetic potential of Festival and Red Merlin cultivars. RSC Advances, 2021, 11, 16755-16767.	1.7	8
9	Targeting allosteric sites of human aromatase: a comprehensive <i>in-silico</i> and <i>in-vitro</i> workflow to find potential plant-based anti-breast cancer therapeutics. Journal of Enzyme Inhibition and Medicinal Chemistry, 2021, 36, 1333-1344.	2.5	8
10	Cryptic Sulfur Incorporation in Thioangucycline Biosynthesis. Angewandte Chemie - International Edition, 2021, 60, 7140-7147.	7.2	10
11	A metabolomic approach to target antimalarial metabolites in the Artemisia annua fungal endophytes. Scientific Reports, 2021, 11, 2770.	1.6	33
12	Cryptic Sulfur Incorporation in Thioangucycline Biosynthesis. Angewandte Chemie, 2021, 133, 7216-7223.	1.6	1
13	Bio-Guided Isolation of Antimalarial Metabolites from the Coculture of Two Red Sea Sponge-Derived Actinokineospora and Rhodococcus spp Marine Drugs, 2021, 19, 109.	2.2	15
14	Momordicine-I, a Bitter Melon Bioactive Metabolite, Displays Anti-Tumor Activity in Head and Neck Cancer Involving c-Met and Downstream Signaling. Cancers, 2021, 13, 1432.	1.7	6
15	Antioxidant and structure–activity relationship of acylphloroglucinol derivatives from the brown alga Zonaria tournefortii. Monatshefte FÃ1⁄4r Chemie, 2021, 152, 431-440.	0.9	2
16	Sinapic Acid Suppresses SARS CoV-2 Replication by Targeting Its Envelope Protein. Antibiotics, 2021, 10, 420.	1.5	33
17	Antimicrobial and Antibiofilm Activities of the Fungal Metabolites Isolated from the Marine Endophytes Epicoccum nigrum M13 and Alternaria alternata 13A. Marine Drugs, 2021, 19, 232.	2.2	35
18	Cyanobacteria—From the Oceans to the Potential Biotechnological and Biomedical Applications. Marine Drugs, 2021, 19, 241.	2.2	66

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19	Cnicin as an Anti-SARS-CoV-2: An Integrated In Silico and In Vitro Approach for the Rapid Identification of Potential COVID-19 Therapeutics. Antibiotics, 2021, 10, 542.	1.5	16
20	Olive Mill and Olive Pomace Evaporation Pond's By-Products: Toxic Level Determination and Role of Indigenous Microbiota in Toxicity Alleviation. Applied Sciences (Switzerland), 2021, 11, 5131.	1.3	8
21	Olive-Derived Triterpenes Suppress SARS COV-2 Main Protease: A Promising Scaffold for Future Therapeutics. Molecules, 2021, 26, 2654.	1.7	36
22	Bioactive Natural Products from the Red Sea. Marine Drugs, 2021, 19, 289.	2.2	5
23	The Brown Seaweeds of Scotland, Their Importance and Applications. Environments - MDPI, 2021, 8, 59.	1.5	7
24	Design, Synthesis, and Antitumor Activity of Novel Dispiro[oxindole-cyclohexanone]-pyrrolidines. Current Pharmaceutical Design, 2021, 27, .	0.9	2
25	Scaffold Hopping of α-Rubromycin Enables Direct Access to FDA-Approved Cromoglicic Acid as a SARS-CoV-2 MPro Inhibitor. Pharmaceuticals, 2021, 14, 541.	1.7	17
26	Marine Sulfated Polysaccharides as Promising Antiviral Agents: A Comprehensive Report and Modeling Study Focusing on SARS CoV-2. Marine Drugs, 2021, 19, 406.	2.2	31
27	RNA sequencing identified novel target genes for (i) Adansonia digitata (i) in breast and colon cancer cells. Science Progress, 2021, 104, 003685042110320.	1.0	5
28	Flavonoid-Coated Gold Nanoparticles as Efficient Antibiotics against Gram-Negative Bacteria—Evidence from In Silico-Supported In Vitro Studies. Antibiotics, 2021, 10, 968.	1.5	21
29	Bioguided Isolation of Cyclopenin Analogues as Potential SARS-CoV-2 Mpro Inhibitors from Penicillium citrinum TDPEF34. Biomolecules, 2021, 11, 1366.	1.8	8
30	Potent antiplasmodial alkaloids from the rhizobacterium Pantoea agglomerans as hemozoin modulators. Bioorganic Chemistry, 2021, 115, 105215.	2.0	3
31	Efficacy of Ceftazidime and Cefepime in the Management of COVID-19 Patients: Single Center Report from Egypt. Antibiotics, 2021, 10, 1278.	1.5	20
32	Morphological, Biochemical, and Metabolomic Strategies of the Date Palm (Phoenix dactylifera L., cv.) Tj ETQq0	0 0 <sub>1</sub> .gBT /0	Overlock 10 T
33	Honey Bee Products: Preclinical and Clinical Studies of Their Anti-inflammatory and Immunomodulatory Properties. Frontiers in Nutrition, 2021, 8, 761267.	1.6	38
34	Terezine E, bioactive prenylated tryptophan analogue from an endophyte of <i>Centaurea stoebe</i> Natural Product Research, 2020, 34, 503-510.	1.0	14
35	Extreme environments: microbiology leading to specialized metabolites. Journal of Applied Microbiology, 2020, 128, 630-657.	1.4	101
36	2-furyl(phenyl)methanol isolated from Atractilis gummifera rhizome exhibits anti-leishmanial activity. Fìtoterapìâ, 2020, 140, 104420.	1.1	1

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37	Anti-Inflammatory and Antioxidant Activities of Terpene- and Polyphenol-Rich Premna odorata Leaves on Alcohol-Inflamed Female Wistar Albino Rat Liver. Molecules, 2020, 25, 3116.	1.7	15
38	Flavonoids as Potential anti-MRSA Agents through Modulation of PBP2a: A Computational and Experimental Study. Antibiotics, 2020, 9, 562.	1.5	38
39	Screening Fungal Endophytes Derived from Under-Explored Egyptian Marine Habitats for Antimicrobial and Antioxidant Properties in Factionalised Textiles. Microorganisms, 2020, 8, 1617.	1.6	19
40	Anti-inflammatory Activity and Chemical Characterisation of Opuntia ficus-indica Seed Oil Cultivated in Saudi Arabia. Arabian Journal for Science and Engineering, 2020, 45, 4571-4578.	1.7	14
41	Induction of Antibacterial Metabolites by Co-Cultivation of Two Red-Sea-Sponge-Associated Actinomycetes Micromonospora sp. UR56 and Actinokinespora sp. EG49. Marine Drugs, 2020, 18, 243.	2.2	30
42	Nature as a treasure trove of potential anti-SARS-CoV drug leads: a structural/mechanistic rationale. RSC Advances, 2020, 10, 19790-19802.	1.7	71
43	The genus <i>Micromonospora</i> as a model microorganism for bioactive natural product discovery. RSC Advances, 2020, 10, 20939-20959.	1.7	29
44	Triple-negative breast cancer suppressive activities, antioxidants and pharmacophore model of new acylated rhamnopyranoses from <i>Premna odorata</i> . RSC Advances, 2020, 10, 10584-10598.	1.7	16
45	Microbial Natural Products as Potential Inhibitors of SARS-CoV-2 Main Protease (Mpro). Microorganisms, 2020, 8, 970.	1.6	57
46	Testicular Caspase-3 and $\hat{I}^2$ -Catenin Regulators Predicted via Comparative Metabolomics and Docking Studies. Metabolites, 2020, 10, 31.	1.3	14
47	Discovery of Two Brominated Oxindole Alkaloids as Staphylococcal DNA Gyrase and Pyruvate Kinase Inhibitors via Inverse Virtual Screening. Microorganisms, 2020, 8, 293.	1.6	33
48	Chemical composition and therapeutic potential of three Cycas species in brain damage and pancreatitis provoked by $\hat{I}^3$ -radiation exposure in rats. Journal of Radiation Research and Applied Sciences, 2020, 13, 38-52.	0.7	6
49	Induction of Cryptic Antifungal Pulicatin Derivatives from Pantoea Agglomerans by Microbial Co-Culture. Biomolecules, 2020, 10, 268.	1.8	20
50	Sesbania grandiflora L. Poir leaves: A dietary supplement to alleviate type 2 diabetes through metabolic enzymes inhibition. South African Journal of Botany, 2020, 130, 282-299.	1.2	16
51	Bioassay-Guided Isolation, Metabolic Profiling, and Docking Studies of Hyaluronidase Inhibitors from Ravenala madagascariensis. Molecules, 2020, 25, 1714.	1.7	12
52	Characterization of natural bioactive compounds produced by isolated bacteria from compost of aromatic plants. Journal of Applied Microbiology, 2019, 126, 443-451.	1.4	6
53	Durum Wheat Stress Tolerance Induced by Endophyte Pantoea agglomerans with Genes Contributing to Plant Functions and Secondary Metabolite Arsenal. International Journal of Molecular Sciences, 2019, 20, 3989.	1.8	64
54	New Antiproliferative Cembrane Diterpenes from the Red Sea Sarcophyton Species. Marine Drugs, 2019, 17, 411.	2.2	18

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55	Metabolomic Profiling and Cytotoxic Tetrahydrofurofuran Lignans Investigations from Premna odorata Blanco. Metabolites, 2019, 9, 223.	1.3	15
56	Bioactive Brominated Oxindole Alkaloids from the Red Sea Sponge Callyspongia siphonella. Marine Drugs, 2019, 17, 465.	2.2	39
57	Olea europaea L. Root Endophyte Bacillus velezensis OEE1 Counteracts Oomycete and Fungal Harmful Pathogens and Harbours a Large Repertoire of Secreted and Volatile Metabolites and Beneficial Functional Genes. Microorganisms, 2019, 7, 314.	1.6	54
58	Discovery of Kirromycins with Anti-Wolbachia Activity from Streptomyces sp. CB00686. ACS Chemical Biology, 2019, 14, 1174-1182.	1.6	7
59	An online resource for marine fungi. Fungal Diversity, 2019, 96, 347-433.	4.7	133
60	Editorial: Microbial Secondary Metabolites: Recent Developments and Technological Challenges. Frontiers in Microbiology, 2019, 10, 914.	1.5	57
61	Chemical Profiling and Biological Screening of Some River Nile Derived-Microorganisms. Frontiers in Microbiology, 2019, 10, 787.	1.5	1
62	Candelariella vitellina extract triggers in vitro and in vivo cell death through induction of apoptosis: A novel anticancer agent. Food and Chemical Toxicology, 2019, 127, 110-119.	1.8	17
63	Herbicidins from <i>Streptomyces</i> sp. CB01388 Showing Anti- <i>Cryptosporidium</i> Activity. Journal of Natural Products, 2018, 81, 791-797.	1.5	12
64	Ganoderma applanatum secondary metabolites induced apoptosis through different pathways: In vivo and in vitro anticancer studies. Biomedicine and Pharmacotherapy, 2018, 101, 264-277.	2.5	50
65	Zebrafish-Based Discovery of Antiseizure Compounds from the Red Sea: Pseurotin A <sub>2</sub> and Azaspirofuran A. ACS Chemical Neuroscience, 2018, 9, 1652-1662.	1.7	35
66	Balanites aegyptiaca ameliorates insulin secretion and decreases pancreatic apoptosis in diabetic rats: Role of SAPK/JNK pathway. Biomedicine and Pharmacotherapy, 2018, 102, 1084-1091.	2.5	19
67	Asenjonamides A–C, antibacterial metabolites isolated from Streptomyces asenjonii strain KNN 42.f from an extreme-hyper arid Atacama Desert soil. Journal of Antibiotics, 2018, 71, 425-431.	1.0	36
68	Natural product diversity of actinobacteria in the Atacama Desert. Antonie Van Leeuwenhoek, 2018, 111, 1467-1477.	0.7	41
69	Current Status and Future Opportunities of Omics Tools in Mycotoxin Research. Toxins, 2018, 10, 433.	1.5	41
70	New Pim-1 Kinase Inhibitor From the Co-culture of Two Sponge-Associated Actinomycetes. Frontiers in Chemistry, 2018, 6, 538.	1.8	35
71	Date Palm Trees Root-Derived Endophytes as Fungal Cell Factories for Diverse Bioactive Metabolites. International Journal of Molecular Sciences, 2018, 19, 1986.	1.8	43
72	Epigenetic Modifiers Induce Bioactive Phenolic Metabolites in the Marine-Derived Fungus Penicillium brevicompactum. Marine Drugs, 2018, 16, 253.	2.2	59

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73	Screening for Fusarium Antagonistic Bacteria From Contrasting Niches Designated the Endophyte Bacillus halotolerans as Plant Warden Against Fusarium. Frontiers in Microbiology, 2018, 9, 3236.	1.5	91
74	Isolation and anti-HIV-1 integrase activity of lentzeosides A–F from extremotolerant lentzea sp. H45, a strain isolated from a high-altitude Atacama Desert soil. Journal of Antibiotics, 2017, 70, 448-453.	1.0	31
75	Competition and co-regulation of spirotoamide and tautomycetin biosynthesis in Streptomyces griseochromogenes, and isolation and structural elucidation of spirotoamide C and D. Journal of Antibiotics, 2017, 70, 710-714.	1.0	2
76	Opuntia ficus-indica cladodes as a functional ingredient: bioactive compounds profile and their effect on antioxidant quality of bread. Lipids in Health and Disease, 2017, 16, 32.	1.2	54
77	Cardiopreventive effect of ethanolic extract of Date Palm Pollen against isoproterenol induced myocardial infarction in rats through the inhibition of the angiotensin-converting enzyme. Experimental and Toxicologic Pathology, 2017, 69, 656-665.	2.1	34
78	Secondary metabolites from fungal endophytes of <i>Solanum nigrum</i> . Natural Product Research, 2017, 31, 2568-2571.	1.0	21
79	Acylated Iridoids and Rhamnopyranoses from <scp><i>Premna odorata</i></scp> (Lamiaceae) as Novel Mesenchymal–Epithelial Transition Factor Receptor Inhibitors for the Control of Breast Cancer. Phytotherapy Research, 2017, 31, 1546-1556.	2.8	19
80	Chitosan-Coated Cinnamon/Oregano-Loaded Solid Lipid Nanoparticles to Augment 5-Fluorouracil Cytotoxicity for Colorectal Cancer: Extract Standardization, Nanoparticle Optimization, and Cytotoxicity Evaluation. Journal of Agricultural and Food Chemistry, 2017, 65, 7966-7981.	2.4	52
81	Germicidins H–J from Streptomyces sp. CB00361. Journal of Antibiotics, 2017, 70, 200-203.	1.0	11
82	The mallow, Malva aegyptiaca L. (Malvaceae): Phytochemistry analysis and effects on wheat dough performance and bread quality. LWT - Food Science and Technology, 2017, 75, 656-662.	2.5	17
83	Does Osmotic Stress Affect Natural Product Expression in Fungi?. Marine Drugs, 2017, 15, 254.	2.2	34
84	Fungal Root Microbiome from Healthy and Brittle Leaf Diseased Date Palm Trees (Phoenix dactylifera) Tj ETQq0 (Metabolites. Frontiers in Microbiology, 2017, 8, 307.	0 0 rgBT /0 1.5	Overlock 10 T 47
85	Increased Biological Activity of Aneurinibacillus migulanus Strains Correlates with the Production of New Gramicidin Secondary Metabolites. Frontiers in Microbiology, 2017, 8, 517.	1.5	29
86	Dual Induction of New Microbial Secondary Metabolites by Fungal Bacterial Co-cultivation. Frontiers in Microbiology, 2017, 8, 1284.	1.5	129
87	Comparative Genomics of Bacillus amyloliquefaciens Strains Reveals a Core Genome with Traits for Habitat Adaptation and a Secondary Metabolites Rich Accessory Genome. Frontiers in Microbiology, 2017, 8, 1438.	1.5	84
88	Antagonistic Properties of Some Halophilic Thermoactinomycetes Isolated from Superficial Sediment of a Solar Saltern and Production of Cyclic Antimicrobial Peptides by the Novel Isolate Paludifilum halophilum. BioMed Research International, 2017, 2017, 1-13.	0.9	21
89	Evaluation of the Antioxidant Activity of the Marine Pyrroloiminoquinone Makaluvamines. Marine Drugs, 2016, 14, 197.	2.2	16
90	Spongionella Secondary Metabolites, Promising Modulators of Immune Response through CD147 Receptor Modulation. Frontiers in Immunology, 2016, 7, 452.	2.2	11

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91	Solamargine production by a fungal endophyte of <i>Solanum nigrum</i> . Journal of Applied Microbiology, 2016, 120, 900-911.	1.4	42
92	Phoenix dactylifera L. sap enhances wound healing in Wistar rats: Phytochemical and histological assessment. International Journal of Biological Macromolecules, 2016, 88, 443-450.	3.6	21
93	Identification of Spongionella compounds as cyclosporine A mimics. Pharmacological Research, 2016, 107, 407-414.	3.1	15
94	Harpulliasides A and B: Two new benzeneacetic acid derivatives from Harpullia pendula. Phytochemistry Letters, 2016, 15, 131-135.	0.6	8
95	NMR characterisation of natural products derived from under-explored microorganisms. Nuclear Magnetic Resonance, 2016, , 240-268.	0.1	3
96	Spongionella Secondary Metabolites Regulate Store Operated Calcium Entry Modulating Mitochondrial Functioning in SH-SY5Y Neuroblastoma Cells. Cellular Physiology and Biochemistry, 2015, 37, 779-792.	1.1	16
97	Biosynthesis of Neocarazostatin A Reveals the Sequential Carbazole Prenylation and Hydroxylation in the Tailoring Steps. Chemistry and Biology, 2015, 22, 1633-1642.	6.2	39
98	Complete Genome Sequence of Aneurinibacillus migulanus E1, a Gramicidin S- and <scp>d</scp> -Phenylalanyl- <scp>l</scp> -Propyl Diketopiperazine-Deficient Mutant. Genome Announcements, 2015, 3, .	0.8	10
99	Adipostatins A–D from Streptomyces sp. 4875 inhibiting Brugia malayi asparaginyl-tRNA synthetase and killing adult Brugia malayi parasites. Journal of Antibiotics, 2015, 68, 540-542.	1.0	13
100	Gracilins: Spongionella-derived promising compounds for Alzheimer disease. Neuropharmacology, 2015, 93, 285-293.	2.0	54
101	Antibacterial activity of diketopiperazines isolated from a marine fungus using t-butoxycarbonyl group as a simple tool for purification. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 3125-3128.	1.0	27
102	Legonaridin, a new member of linaridin RiPP from a Ghanaian Streptomyces isolate. Organic and Biomolecular Chemistry, 2015, 13, 9585-9592.	1.5	39
103	Chaxapeptin, a Lasso Peptide from Extremotolerant <i>Streptomyces leeuwenhoekii</i> Strain C58 from the Hyperarid Atacama Desert. Journal of Organic Chemistry, 2015, 80, 10252-10260.	1.7	83
104	The Streptomyces metabolite anhydroexfoliamycin ameliorates hallmarks of Alzheimer's disease in vitro and in vivo. Neuroscience, 2015, 305, 26-35.	1.1	28
105	Angucyclines and Angucyclinones from <i>Streptomyces</i> sp. CB01913 Featuring C-Ring Cleavage and Expansion. Journal of Natural Products, 2015, 78, 2471-2480.	1.5	41
106	Scalarane sesterterpenes from the Egyptian Red Sea sponge Phyllospongia lamellosa. Tetrahedron, 2015, 71, 577-583.	1.0	23
107	Spongionella Secondary Metabolites Protect Mitochondrial Function in Cortical Neurons against Oxidative Stress. Marine Drugs, 2014, 12, 700-718.	2.2	36
108	Decorosides A and B, Cytotoxic Flavonoid Glycosides from the Leaves of Rhododendron decorum. Natural Product Communications, 2014, 9, 1934578X1400900.	0.2	3

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109	Mitigation of ROS Insults by Streptomyces Secondary Metabolites in Primary Cortical Neurons. ACS Chemical Neuroscience, 2014, 5, 71-80.	1.7	31
110	Biosynthetic Potential-Based Strain Prioritization for Natural Product Discovery: A Showcase for Diterpenoid-Producing Actinomycetes. Journal of Natural Products, 2014, 77, 377-387.	1.5	45
111	Medium optimization of Streptomyces sp. 17944 for tirandamycin B production and isolation and structural elucidation of tirandamycins H, I and J. Journal of Antibiotics, 2014, 67, 127-132.	1.0	30
112	Induction of diverse secondary metabolites in Aspergillus fumigatus by microbial co-culture. RSC Advances, 2013, 3, 14444.	1.7	104
113	Isolation and structural elucidation of glucoside congeners of platencin from Streptomyces platensis SB12600. Journal of Antibiotics, 2013, 66, 291-294.	1.0	13
114	Synthesis, Antiâ€∢scp>Breast Cancer Activity, and Molecular Modeling of Some Benzothiazole and Benzoxazole Derivatives. Archiv Der Pharmazie, 2013, 346, 534-541.	2.1	33
115	Secondary metabolites of fungi from marine habitats. Natural Product Reports, 2011, 28, 290.	5.2	563
116	Chaxamycins A–D, Bioactive Ansamycins from a Hyper-arid Desert <i>Streptomyces</i> sp Journal of Natural Products, 2011, 74, 1491-1499.	1.5	116
117	Diverse Metabolic Profiles of a <i>Streptomyces</i> Strain Isolated from a Hyper-arid Environment. Journal of Natural Products, 2011, 74, 1965-1971.	1.5	129
118	Lecythomycin, a New Macrolactone Glycoside from the Endophytic Fungus Lecythophora sp. Natural Product Communications, 2011, 6, 1934578X1100600.	0.2	2
119	Dibenzofurans from the marine sponge-derived ascomycete Super1F1-09. Botanica Marina, 2010, 53, .	0.6	19
120	Bioactive Diterpene Derivatives from the Marine Sponge <i>Spongionella</i> sp Journal of Natural Products, 2009, 72, 1471-1476.	1.5	50
121	Biological capacity and chemical composition of secondary metabolites from representatives Japanese Lichens. Journal of Applied Pharmaceutical Science, 0, , 098-103.	0.7	18
122	Metabolic profiling and biological potential of the marine sponge associated <i>Nocardiopsis</i> sp. UR67 along with docking studies. Natural Product Research, 0, , 1-7.	1.0	0