

Zohreh Habibi

List of Publications by Year in descending order

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104
papers

1,592
citations

304602

22
h-index

360920

35
g-index

111
all docs

111
docs citations

111
times ranked

2057
citing authors

#	ARTICLE	IF	CITATIONS
1	Enzymatic production of biodiesel using lipases immobilized on silica nanoparticles as highly reusable biocatalysts: effect of water, t-butanol and blue silica gel contents. <i>Renewable Energy</i> , 2016, 91, 196-206.	4.3	113
2	Process optimization for biodiesel production from waste cooking oil using multi-enzyme systems through response surface methodology. <i>Renewable Energy</i> , 2017, 105, 465-472.	4.3	82
3	Preparation of highly reusable biocatalysts by immobilization of lipases on epoxy-functionalized silica for production of biodiesel from canola oil. <i>Biochemical Engineering Journal</i> , 2015, 101, 23-31.	1.8	80
4	Co-immobilization of <i>Rhizomucor miehei</i> lipase and <i>Candida antarctica</i> lipase B and optimization of biocatalytic biodiesel production from palm oil using response surface methodology. <i>Renewable Energy</i> , 2019, 141, 847-857.	4.3	66
5	Anti- <i>Helicobacter pylori</i> Activities of Six Iranian Plants. <i>Helicobacter</i> , 2004, 9, 146-151.	1.6	61
6	Covalent immobilization of laccase by one pot three component reaction and its application in the decolorization of textile dyes. <i>International Journal of Biological Macromolecules</i> , 2018, 120, 144-151.	3.6	55
7	A global, regional, and national survey on burden and Quality of Care Index (QCI) of brain and other central nervous system cancers; global burden of disease systematic analysis 1990-2017. <i>PLoS ONE</i> , 2021, 16, e0247120.	1.1	54
8	Structure and Antibacterial Activity of a New Labdane Diterpenoid from <i>Salvia leraefolia</i> . <i>Journal of Natural Products</i> , 2000, 63, 270-271.	1.5	51
9	Improvement of biodiesel production from palm oil by co-immobilization of <i>Thermomyces lanuginosa</i> lipase and <i>Candida antarctica</i> lipase B: Optimization using response surface methodology. <i>International Journal of Biological Macromolecules</i> , 2021, 170, 490-502.	3.6	46
10	Application of multi-component reaction for covalent immobilization of two lipases on aldehyde-functionalized magnetic nanoparticles; production of biodiesel from waste cooking oil. <i>Process Biochemistry</i> , 2020, 90, 156-167.	1.8	45
11	Improvement of the stability and selectivity of <i>Rhizomucor miehei</i> lipase immobilized on silica nanoparticles: Selective hydrolysis of fish oil using immobilized preparations. <i>Process Biochemistry</i> , 2014, 49, 1314-1323.	1.8	44
12	Immobilization of lipase on Fe ₃ O ₄ /ZnO core/shell magnetic nanoparticles and catalysis of Michael-type addition to chalcone derivatives. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014, 100, 121-128.	1.8	41
13	Enzymatic hydrolysis of racemic ibuprofen esters using <i>Rhizomucor miehei</i> lipase immobilized on different supports. <i>Process Biochemistry</i> , 2013, 48, 669-676.	1.8	38
14	Enantioselective resolution of racemic ibuprofen esters using different lipases immobilized on octyl sepharose. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014, 104, 87-94.	1.8	36
15	Effect of water, organic solvent and adsorbent contents on production of biodiesel fuel from canola oil catalyzed by various lipases immobilized on epoxy-functionalized silica as low cost biocatalyst. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2015, 120, 93-99.	1.8	36
16	Synthesis of Quinazolinones from Alcohols via Laccase-Mediated Tandem Oxidation. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 1789-1794.	2.1	35
17	Selective enrichment of polyunsaturated fatty acids by hydrolysis of fish oil using immobilized and stabilized <i>Rhizomucor miehei</i> lipase preparations. <i>Food and Bioproducts Processing</i> , 2015, 94, 414-421.	1.8	32
18	Lumbosacral Sagittal Alignment in Association to Intervertebral Disc Diseases. <i>Asian Spine Journal</i> , 2014, 8, 813.	0.8	28

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19	One pot three-component reaction for covalent immobilization of enzymes: application of immobilized lipases for kinetic resolution of rac-ibuprofen. <i>RSC Advances</i> , 2016, 6, 52838-52849.	1.7	28
20	A novel approach for bioconjugation of <i>Rhizomucor miehei</i> lipase (RML) onto amine-functionalized supports; Application for enantioselective resolution of rac-ibuprofen. <i>International Journal of Biological Macromolecules</i> , 2018, 117, 523-531.	3.6	27
21	Biotransformation of progesterone by <i>Absidia griseolla</i> var. <i>igachii</i> and <i>Rhizomucor pusillus</i> . <i>Steroids</i> , 2012, 77, 1446-1449.	0.8	24
22	Chemical composition and antimicrobial activity of the essential oils of <i>Ferula latisecta</i> and <i>Mozaffariania insignis</i> from Iran. <i>Chemistry of Natural Compounds</i> , 2006, 42, 689-692.	0.2	22
23	Enantioselective Oxidative Aerobic Dealkylation of <i>N</i> -Ethyl Benzylisoquinolines by Employing the Berberine Bridge Enzyme. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15051-15054.	7.2	19
24	Microbial transformation of androst-4-ene-3,17-dione by three fungal species <i>Absidia griseolla</i> var. <i>igachii</i> , <i>Circinella muscae</i> and <i>Trichoderma virens</i> . <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016, 126, 32-36.	1.8	18
25	Porcine pancreas lipase as a green catalyst for synthesis of bis-4-hydroxy coumarins. <i>Bioorganic Chemistry</i> , 2020, 103, 104139.	2.0	18
26	Composition of the Essential Oils of <i>Ferula szowitsiana</i> DC., <i>Artemisia squamata</i> L. and <i>Rhabdosciadium petiolare</i> Boiss. & Hausskn. ex Boiss. Three Umbelliferae Herbs Growing Wild in Iran. <i>Journal of Essential Oil Research</i> , 2006, 18, 503-505.	1.3	17
27	Endonasal management of pediatric congenital transsphenoidal encephaloceles: nuances of a modified reconstruction technique. Technical note and report of 3 cases. <i>Journal of Neurosurgery: Pediatrics</i> , 2017, 19, 312-318.	0.8	17
28	Composition of the Essential Oil of <i>Salvia eremophila</i> Boiss. Native to Iran. <i>Journal of Essential Oil Research</i> , 2004, 16, 172-173.	1.3	16
29	Chemical composition and antibacterial activity of the volatile oil from seeds of <i>Artemisia annua</i> L. from Iran. <i>Natural Product Research</i> , 2013, 27, 198-200.	1.0	16
30	Immobilisation of lipase on the surface of magnetic nanoparticles and non-porous glass beads for regioselective acetylation of prednisolone. <i>IET Nanobiotechnology</i> , 2013, 7, 100-108.	1.9	16
31	Enantioselective resolution of racemic ibuprofen esters using different lipases immobilized on epoxy-functionalized silica. <i>Biocatalysis and Agricultural Biotechnology</i> , 2015, 4, 550-554.	1.5	16
32	Chemical Composition of Essential Oil of <i>Salvia persepolitana</i> Boiss. and <i>Salvia rhytidea</i> Benth. from Iran. <i>Journal of Essential Oil Research</i> , 2008, 20, 1-3.	1.3	15
33	Small size craniotomy in endoscopic procedures: Technique and advantages. <i>Journal of Pediatric Neurosciences</i> , 2015, 10, 1-4.	0.2	15
34	Chemical Composition of the Essential Oil of <i>Seseli tortuosum</i> L. ssp. <i>Kiabii</i> Akhani. from Iran. <i>Journal of Essential Oil Research</i> , 2003, 15, 412-413.	1.3	14
35	Chemical composition and antibacterial activity of essential oil of <i>Heracleum rechingeri</i> Manden from Iran. <i>Natural Product Research</i> , 2010, 24, 1013-1017.	1.0	14
36	Chemical composition and antioxidant activity of the essential oil of aerial parts of <i>Petasites albus</i> from Iran: a good natural source of euparin. <i>Natural Product Research</i> , 2012, 26, 291-297.	1.0	14

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37	Biotransformation of testosterone and testosterone heptanoate by four filamentous fungi. <i>Steroids</i> , 2014, 92, 7-12.	0.8	14
38	Reduction of epidural fibrosis and dural adhesions after lamina reconstruction by absorbable cement: an experimental study. <i>Spine Journal</i> , 2014, 14, 113-118.	0.6	13
39	Two New Coumarins from the Chloroform Extract of <i>Angelica urumiensis</i> from Iran. <i>Chemical and Pharmaceutical Bulletin</i> , 2010, 58, 546-548.	0.6	12
40	Burr-Hole Drainage for the Treatment of Acute Epidural Hematoma in Coagulopathic Patients: A Report of Eight Cases. <i>Journal of Neurotrauma</i> , 2012, 29, 2103-2107.	1.7	12
41	The effects of COVID-19 pandemic on pediatric neurosurgery practice and training in a developing country. <i>Child's Nervous System</i> , 2021, 37, 1313-1317.	0.6	12
42	Essential Oil of <i>Nepeta makuensis</i> Jamzad et Mozaffarian from Iran. <i>Journal of Essential Oil Research</i> , 2004, 16, 214-215.	1.3	11
43	Volatile Constituents of <i>Tanacetum paradoxum</i> Bornm. and <i>Tanacetum tabrisianum</i> (Boiss.) Sosn. et Takht., from Iran. <i>Journal of Essential Oil Research</i> , 2007, 19, 11-13.	1.3	10
44	Chemical composition of the essential oil of <i>Tanacetum turcomanicum</i> and <i>T. canescens</i> from Iran. <i>Chemistry of Natural Compounds</i> , 2009, 45, 93-95.	0.2	10
45	Biotransformation of progesterone and testosterone enanthate by <i>Circinella muscae</i> . <i>Steroids</i> , 2019, 151, 108446.	0.8	10
46	A multi-component reaction for covalent immobilization of lipases on amine-functionalized magnetic nanoparticles: production of biodiesel from waste cooking oil. <i>Bioresources and Bioprocessing</i> , 2022, 9, .	2.0	10
47	Disulphides in the volatile oil of <i>Ferula behboudiana</i> Rech. f. & Esfand. <i>Natural Product Research</i> , 2011, 25, 1629-1634.	1.0	9
48	A new triterpene from <i>Salvia xanthocheila</i> Boiss.. <i>Natural Product Research</i> , 2012, 26, 648-653.	1.0	9
49	Sacral extradural arachnoid cyst in association with split cord malformation. <i>Spine Journal</i> , 2016, 16, 1109-1115.	0.6	9
50	Teratoma inside a myelomeningocele. <i>Journal of Neurosurgery: Pediatrics</i> , 2007, 106, 467-471.	0.8	8
51	Essential Oils of <i>Tanacetum elburensis</i> Mozaff. and <i>Tanacetum persicum</i> (Boiss.) Mozaff. from Iran. <i>Journal of Essential Oil Research</i> , 2007, 19, 310-312.	1.3	8
52	A new dihydrofuranocoumarin from <i>Opopanax hispidus</i> (Friv.) Griseb.. <i>Natural Product Research</i> , 2014, 28, 1808-1812.	1.0	8
53	Contralateral Superior Cerebellar Artery Syndrome : A Consequence of Brain Herniation. <i>Journal of Korean Neurosurgical Society</i> , 2017, 60, 362-366.	0.5	8
54	Application of undecanedicarboxylic acid to prepare cross-linked enzymes (CLEs) of <i>Rhizomucor miehei</i> lipase (RML); Selective enrichment of polyunsaturated fatty acids. <i>Molecular Catalysis</i> , 2022, 520, 112172.	1.0	8

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55	Volatile constituents of <i>Satureja isophylla</i> and <i>S. cuneifolia</i> from Iran. <i>Chemistry of Natural Compounds</i> , 2007, 43, 719-721.	0.2	7
56	Essential oils from stem and leaves of <i>Angelica urumiensis</i> (Mozaffarian) from Iran. <i>Natural Product Research</i> , 2010, 24, 1347-1351.	1.0	7
57	Composition of the Essential Oil of <i>Xanthium brasiliicum</i> Vellozo from Iran. <i>Journal of Essential Oil Research</i> , 2004, 16, 31-32.	1.3	6
58	Volatile Constituents of <i>Salvia ceratophylla</i> L. and <i>Salvia indica</i> L. from Iran. <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 2010, 13, 774-780.	0.7	6
59	Chemical Composition and Antibacterial Activity of Essential Oils from Flowers, Seeds and Stems of <i>Heracleum rechingeri</i> (Manden) from Iran. <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 2011, 14, 746-750.	0.7	6
60	A new abietane diterpenoid from <i>Salvia xanthocheila</i> Boiss.. <i>Natural Product Research</i> , 2013, 27, 266-269.	1.0	6
61	Microbial transformation of hydrocortisone by two fungal species <i>Fusarium fujikuroi</i> PTCC 5144 and <i>Rhizomucor pusillus</i> PTCC 5134. <i>Biocatalysis and Biotransformation</i> , 2014, 32, 168-172.	1.1	6
62	Biotransformation of 6 β -santonin and 1,2-dihydro-1 β -santonin by <i>Acremonium chrysogenum</i> PTCC 5271 and <i>Rhizomucor pusillus</i> PTCC 5134. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014, 110, 59-63.	1.8	6
63	Pituitary macroadenoma co-existent with a posterior circulation aneurysm leading to subarachnoidal hemorrhage during transsphenoidal surgery. <i>Turkish Neurosurgery</i> , 2013, 25, 469-74.	0.1	6
64	Composition of the Essential Oils of <i>Haplophyllum furfuraceum</i> Bge. ex Boiss. and <i>Haplophyllum virgatum</i> Spach. from Iran. <i>Journal of Essential Oil Research</i> , 2007, 19, 49-51.	1.3	5
65	New polysulphanes from aerial parts of <i>Ferula behboudiana</i> Rech. f. & Esfand. <i>Natural Product Research</i> , 2010, 24, 1352-1357.	1.0	5
66	Biotransformation of two furanocoumarins by the fungi species <i>Aspergillus</i> sp. PTCC 5266 and <i>Aspergillus niger</i> PTCC 5010. <i>Natural Product Research</i> , 2019, 33, 835-842.	1.0	5
67	Endoscopic third ventriculostomy in children with failed ventriculoperitoneal shunt. <i>Journal of Innovative Optical Health Sciences</i> , 2019, 14, 399-402.	0.5	5
68	A Novel One-Pot Synthesis of Unsymmetrical Acyclic Imides. <i>Synlett</i> , 2007, 2007, 0812-0814.	1.0	4
69	Essential oil from aerial parts of <i>Betonica grandiflora</i> Willd. from Iran. <i>Natural Product Research</i> , 2012, 26, 146-151.	1.0	4
70	The 11 β -hydroxylation of medroxyprogesterone acetate by <i>Absidia griseolla</i> var. <i>igachii</i> and <i>Acremonium chrysogenum</i> . <i>Steroids</i> , 2019, 149, 108427.	0.8	4
71	Peripheral facial nerve palsy following ventriculoperitoneal shunting in an infant. <i>Child's Nervous System</i> , 2020, 36, 209-212.	0.6	4
72	Clinical Follow-Up of Patients with Neurocutaneous Melanosis in a Tertiary Center; Proposed Modification in Diagnostic Criteria. <i>World Neurosurgery</i> , 2021, 146, e1063-e1070.	0.7	4

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73	Case Report: Encephalitis Caused by <i>Balamuthia mandrillaris</i> in a 3-Year-Old Iranian Girl. <i>American Journal of Tropical Medicine and Hygiene</i> , 2021, 104, 1836-1840.	0.6	4
74	Essential Oil of <i>Johrenia ramosissima</i> Mozaffarian from Iran. <i>Journal of Essential Oil Research</i> , 2004, 16, 395-396.	1.3	3
75	Highly enantioselective bioreduction of prochiral ketones by stem and germinated plant of <i>Brassica oleracea</i> variety <i>italica</i> . <i>Biocatalysis and Biotransformation</i> , 2011, 29, 328-336.	1.1	3
76	A new sesquiterpenoid from <i>Sclerorhachis platyrachis</i> (Boiss.) Podlech ex Rech.f. <i>Phytochemistry Letters</i> , 2012, 5, 705-707.	0.6	3
77	Congenital obstruction of foramen of Monro: report of 10 patients and literature review. <i>Child's Nervous System</i> , 2018, 34, 707-715.	0.6	3
78	Huge bilateral temporal horn entrapment: a congenital abnormality and management. <i>Child's Nervous System</i> , 2018, 34, 2515-2518.	0.6	3
79	Gorham-Stout disease of skull base leading to cranial settling and rhinorrhea: a case-based review. <i>Child's Nervous System</i> , 2022, 38, 695-703.	0.6	3
80	C-20 Ketone reduction of hydrocortisone by <i>Fusarium solani</i> and <i>Aspergillus ochraceus</i> . <i>Biotechnology Letters</i> , 2014, 36, 2271-2274.	1.1	2
81	Biotransformation of Active Methylene Compounds by <i>Saccharomyces cerevisiae</i> . <i>Chemistry of Natural Compounds</i> , 2015, 51, 856-860.	0.2	2
82	Biotransformation of androst-4-ene-3,17-dione and nandrolone decanoate by genera of <i>Aspergillus</i> and <i>Fusarium</i> . <i>Biotechnology Letters</i> , 2020, 42, 1767-1775.	1.1	2
83	2-[(1S,2S,4aR,8R,8aR)-8-Hydroxy-4a,8-dimethyl-1-[(2E)-2-methylbut-2-enoyloxy]perhydronaphthalen-2-yl]acrylic acid from <i>Sclerorhachis platyrachis</i> . <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o2699-o2699.	0.2	1
84	Chemical composition of the essential oil of aerial parts of <i>Hausknechtia elymaitica</i> Boiss. from Iran: a good natural source for <i>trans</i> -asarone. <i>Natural Product Research</i> , 2012, 26, 1229-1233.	1.0	1
85	Evaluation of Lower Extremities™ Vascular Characteristics in Myelomeningocele Patients: A Case-Control Study. <i>Pediatric Neurosurgery</i> , 2019, 54, 324-328.	0.4	1
86	Shunt independence in pediatric hydrocephalus. <i>Child's Nervous System</i> , 2019, 35, 2035-2036.	0.6	1
87	GAPO syndrome with craniosynostosis and intracranial hypertension. <i>Child's Nervous System</i> , 2019, 35, 1621-1624.	0.6	1
88	Extensive aplasia cutis congenita associated with cephalocranial disproportion and brain extrusion. <i>Child's Nervous System</i> , 2019, 35, 1629-1632.	0.6	1
89	Utility Measures in Pediatric Temporary Health States: Comparison of Prone Positioning Valuation Through 5 Assessment Tools. <i>Value in Health Regional Issues</i> , 2019, 18, 97-105.	0.5	1
90	Temporary exacerbation of benign external hydrocephalus following minor head trauma. <i>Child's Nervous System</i> , 2020, 36, 2603-2604.	0.6	1

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91	Solid-cystic cortical ependymoma: a diagnostic dilemma. <i>Child's Nervous System</i> , 2021, 37, 1033-1034.	0.6	1
92	Isolated primary spinal epidural hydatid cyst in a child with progressive paraparesis. <i>Child's Nervous System</i> , 2021, 37, 3261-3264.	0.6	1
93	Spontaneous regression of congenital brain tumors: a report of two cases. <i>Child's Nervous System</i> , 2021, 37, 3901-3905.	0.6	1
94	Cytomegalovirus DNA in non-glioblastoma multiforme brain tumors of infants. <i>Child's Nervous System</i> , 2021, 37, 1581-1586.	0.6	1
95	Calixarene Dimers as Host Molecules for Inositol Hexaphosphate, IP6, in Aqueous Solution. <i>Letters in Organic Chemistry</i> , 2018, 15, 747-752.	0.2	1
96	Cerebral Aspergillosis. <i>Archives of Iranian Medicine</i> , 2019, 22, 476-477.	0.2	1
97	Medulloblastoma in association with sacral agenesis; a case report. <i>Child's Nervous System</i> , 2018, 34, 1263-1266.	0.6	0
98	Health-Related Quality of Life of Pediatric Spinal Surgery Complications. <i>Value in Health Regional Issues</i> , 2019, 18, 74-77.	0.5	0
99	Spinal intravascular papillary endothelial hyperplasia in an infant. <i>Child's Nervous System</i> , 2021, 37, 733-734.	0.6	0
100	Machine Learning-Based Clinical Adjusted Selection of Predicting Risk Factors for Shunt Infection in Children. <i>International Clinical Neuroscience Journal</i> , 2021, 8, 135-143.	0.1	0
101	A survey on the amount of unnecessary brain and spine magnetic resonance imaging and reasons to affect it in Tehran, Iran. <i>International Journal of Finance and Economics</i> , 0, , .	1.9	0
102	Endonasal Management of Pediatric Congenital Transsphenoidal Encephaloceles: Nuances of a Modified Reconstruction Technique. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , 2017, 78, S1-S156.	0.4	0
103	Single-dose antibiotic prophylaxis compared with multiple-dose protocol in clean pediatric neurosurgical interventions: a nonrandomized, historically controlled equivalence trial. <i>Journal of Neurosurgery: Pediatrics</i> , 2022, 29, 350-357.	0.8	0
104	LINC-09. Coexisting glioneuronal tumor and adrenal ganglioneuroma. <i>Neuro-Oncology</i> , 2022, 24, i164-i164.	0.6	0