# Eduard BardajÃ-

List of Publications by Year
in descending order



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|---|---|---|---|
| 55 papers | 1,657 citations | 331259 21 h-index | 288905 40 g-index |
| 57 all docs | 57 docs citations | 57 times ranked | 2216 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Escherichia coli Cell Surface Perturbation and Disruption Induced by Antimicrobial Peptides BP100 and pepR. Journal of Biological Chemistry, 2010, 285, 27536-27544. | 1.6 | 193 |
| 2 | Amidated and Ibuprofen-Conjugated Kyotorphins Promote Neuronal Rescue and Memory Recovery in Cerebral Hypoperfusion Dementia Model. Frontiers in Aging Neuroscience, 2016, 8, 1. | 1.7 | 157 |
| 3 | A library of linear undecapeptides with bactericidal activity against phytopathogenic bacteria. Peptides, 2007, 28, 2276-2285. | 1.2 | 145 |
| 4 | Inhibition of Plant-Pathogenic Bacteria by Short Synthetic Cecropin A-Melittin Hybrid Peptides. Applied and Environmental Microbiology, 2006, 72, 3302-3308. | 1.4 | 106 |
| 5 | Synthetic Antimicrobial Peptides as Agricultural Pesticides for Plantâ€Disease Control. Chemistry and Biodiversity, 2008, 5, 1225-1237. | 1.0 | 87 |
| 6 | Synergistic Effects of the Membrane Actions of Cecropin-Melittin Antimicrobial Hybrid Peptide BP100. Biophysical Journal, 2009, 96, 1815-1827. | 0.2 | 83 |
| 7 | De novo designed cyclic cationic peptides as inhibitors of plant pathogenic bacteria. Peptides, 2006, 27, 2567-2574. | 1.2 | 57 |
| 8 | Improvement of cyclic decapeptides against plant pathogenic bacteria using a combinatorial chemistry approach. Peptides, 2006, 27, 2575-2584. | 1.2 | 55 |
| 9 | Sporicidal Activity of Synthetic Antifungal Undecapeptides and Control of Penicillium Rot of Apples. Applied and Environmental Microbiology, 2009, 75, 5563-5569. | 1.4 | 55 |
| 10 | Structural basis for the enhanced activity of cyclic antimicrobial peptides: The case of BPC194. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 2197-2205. | 1.4 | 55 |
| 11 | Improvement of the Efficacy of Linear Undecapeptides against Plant-Pathogenic Bacteria by Incorporation of <scp>d</scp> -Amino Acids. Applied and Environmental Microbiology, 2011, 77, 2667-2675. | 1.4 | 51 |
| 12 | Derivatives of the Antimicrobial Peptide BP100 for Expression in Plant Systems. PLoS ONE, 2013, 8, e85515. | 1.1 | 48 |
| 13 | Prediction of Antibacterial Activity from Physicochemical Properties of Antimicrobial Peptides. PLoS ONE, 2011, 6, e28549. | 1.1 | 45 |
| 14 | Differential Effects of Mg2+and Other Divalent Cations on the Binding of Tritiated Opioid Ligands. Journal of Neurochemistry, 1992, 59, 467-472. | 2.1 | 38 |
| 15 | Synthesis and biological activity of O-glycosylated morphiceptin analogues. Journal of the Chemical Society Perkin Transactions 1, 1991, , 1755-1759. | 0.9 | 36 |
| 16 | Use of the Dithiasuccinoyl (Dts) Amino Protecting Group for Solid-Phase Synthesis of Protected Peptide Nucleic Acid (PNA) Oligomers1-3. Journal of Organic Chemistry, 1999, 64, 7281-7289. | 1.7 | 36 |
| 17 | Chemical Conjugation of the Neuropeptide Kyotorphin and Ibuprofen Enhances Brain Targeting and Analgesia. Molecular Pharmaceutics, 2011, 8, 1929-1940. | 2.3 | 33 |
| 18 | Improved method for the synthesis of o-glycosylated fmoc amino acids to be used in solid-phase glycopeptide synthesis (Fmoc = fluoren-9-ylmethoxycarbonyl). Journal of the Chemical Society Chemical Communications, 1990, , 965-967. | 2.0 | 30 |

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| 19 | Inhibition of nociceptive responses after systemic administration of amidated kyotorphin. British Journal of Pharmacology, 2011, 163, 964-973. | 2.7 | 25 |
| 20 | Antimicrobial cyclic decapeptides with anticancer activity. Peptides, 2010, 31, 2017-2026. | 1.2 | 23 |
| 21 | Antimicrobial Peptides for Plant Disease Control. From Discovery to Application. ACS Symposium Series, 2012, , 235-261. | 0.5 | 23 |
| 22 | Solid-Phase Synthesis of Glycopeptide Amides under Mild Conditions: Morphiceptin Analogues. Angewandte Chemie International Edition in English, 1990, 29, 291-292. | 4.4 | 21 |
| 23 | Antimicrobial Peptides Incorporating Non-Natural Amino Acids as Agents for Plant Protection. Protein and Peptide Letters, 2014, 21, 357-367. | 0.4 | 20 |
| 24 | Antimicrobial properties of analgesic kyotorphin peptides unraveled through atomic force microscopy. Biochemical and Biophysical Research Communications, 2012, 420, 676-679. | 1.0 | 19 |
| 25 | Peptidotriazoles with antimicrobial activity against bacterial and fungal plant pathogens. Peptides, 2012, 33, 9-17. | 1.2 | 18 |
| 26 | Synthesis of nucleobase-functionalized Î²-peptoids and Î²-peptoid hybrids. Tetrahedron Letters, 2006, 47, 8069-8071. | 0.7 | 17 |
| 27 | New enzymatic approach to the synthesis of convenient aspartic acid intermediates in peptide chemistry. Synthesis of n-benzyloxycarbonyl-l-aspartic acid Î²-allyl ester.. Tetrahedron, 1989, 45, 7421-7426. | 1.0 | 15 |
| 28 | Festphasenâ€Synthese von Glycopeptidamiden unter milden Bedingungen: Morphiceptinâ€Analoga. Angewandte Chemie, 1990, 102, 311-313. | 1.6 | 14 |
| 29 | Side-effects of analgesic kyotorphin derivatives: advantages over clinical opioid drugs. Amino Acids, 2013, 45, 171-178. | 1.2 | 13 |
| 30 | The incorporation of sugar moieties to neuropeptides: comparative study of different methods. Tetrahedron, 1988, 44, 6131-6136. | 1.0 | 12 |
| 31 | Cell-penetrating Î³-peptide/antimicrobial undecapeptide conjugates with anticancer activity. Tetrahedron, 2012, 68, 4406-4412. | 1.0 | 12 |
| 32 | Correlation between membrane translocation and analgesic efficacy in kyotorphin derivatives. Biopolymers, 2015, 104, 1-10. | 1.2 | 12 |
| 33 | Synthesis of cyclic peptide hybrids with amino acid and nucleobase side-chains. Tetrahedron Letters, 2000, 41, 4097-4100. | 0.7 | 10 |
| 34 | N-Tetrachlorophthaloyl (TCP) Protection for Solid-Phase Peptide Synthesis. European Journal of Organic Chemistry, 2004, 2004, 3633-3642. | 1.2 | 10 |
| 35 | Multivalent display of the antimicrobial peptides BP100 and BP143. Beilstein Journal of Organic Chemistry, 2012, 8, 2106-2117. | 1.3 | 9 |
| 36 | Antifungal and anti-biofilm activity of designed derivatives from kyotorphin. Fungal Biology, 2020, 124, 316-326. | 1.1 | 9 |

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|---|---|---|---|
| 37 | The Neuroprotective Action of Amidated-Kyotorphin on Amyloid Î² Peptide-Induced Alzheimerâ€™s Disease Pathophysiology. Frontiers in Pharmacology, 2020, 11, 985. | 1.6 | 9 |
| 38 | Hydrolysis of N-protected amino acid allyl esters by enzymatic catalysis. Biotechnology Letters, 1989, 11, 393-396. | 1.1 | 8 |
| 39 | Solid-phase synthesis of C-terminal peptide amides from N-tetrachlorophthaloyl protected amino acids. Tetrahedron Letters, 2001, 42, 6105-6107. | 0.7 | 7 |
| 40 | Solid-phase synthesis of new peptideâ€“arene hybrids from N-TCP amino acids. Tetrahedron Letters, 2002, 43, 4431-4434. | 0.7 | 7 |
| 41 | DEPBT as Coupling Reagent To Avoid Racemization in a Solution-Phase Synthesis of a Kyotorphin Derivative. Synthesis, 2014, 46, 1481-1486. | 1.2 | 7 |
| 42 | Tryptophan-Containing Cyclic Decapeptides with Activity against Plant Pathogenic Bacteria. Molecules, 2017, 22, 1817. | 1.7 | 7 |
| 43 | Endothelium-Mediated Action of Analogues of the Endogenous Neuropeptide Kyotorphin (Tyrosil-Arginine): Mechanistic Insights from Permeation and Effects on Microcirculation. ACS Chemical Neuroscience, 2016, 7, 1130-1140. | 1.7 | 5 |
| 44 | Improvement of the pharmacological properties of amidated kyotorphin by means of iodination. MedChemComm, 2016, 7, 906-913. | 3.5 | 3 |
| 45 | Microscale Ninhydrin Test Applied to Solid-Phase Peptide Synthesis. Journal of Chemical Education, 1995, 72, A99. | 1.1 | 2 |
| 46 | Synthesis of stable cysteine-heterodisulphides. International Journal of Peptide Research and Therapeutics, 2002, 9, 1-4. | 0.1 | 2 |
| 47 | Synthesis of stable cysteine-heterodisulphides. International Journal of Peptide Research and Therapeutics, 2002, 9, 1-4. | 0.1 | 2 |
| 48 | Microwave-Assisted Cyclization of Peptides on SynPhaseTM Lanterns. Synlett, 2006, 2006, 1311-1314. | 1.0 | 2 |
| 49 | Synthesis of Glycosyl Neuropeptides. Methods in Neurosciences, 1991, 6, 35-50. | 0.5 | 2 |
| 50 | N-(3,5-Dimethylpyrazol-1-ylmethyl)pyridin-2-ylamine. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o4519-o4519. | 0.2 | 1 |
| 51 | Synthesis and Solid-Phase Applications of N-Tetrachlorophthaloyl (TCP) Side-Chain-Protected Amino Acids. Synlett, 2006, 2006, 2743-2746. | 1.0 | 0 |
| 52 | Synthesis and activity of new N,N-dialkyl-morphiceptin analogs. , 1991, , 623-625. | | 0 |
| 53 | Solid-phase synthesis of new glycosyl enkephalinamides. , 1991, , 416-417. | | 0 |
| 54 | Synthesis and applications of a bis-sulfonyl handle for solid-phase synthesis of peptides. , 2002, , 307-308. | | 0 |

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| 55 | Chemical synthesis of cyclic peptide nucleic acid-peptide hybrids. , 2002, , 786-787. | | 0 |