# Shai Rahimipour

List of Publications by Year
in descending order



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|---|---|---|---|
| 63 papers | 1,579 citations | 279701 23 h-index | 315616 38 g-index |
| 67 all docs | 67 docs citations | 67 times ranked | 2307 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Cu<sup>2+</sup>-Induced self-assembly and amyloid formation of a cyclic <scp>d</scp>,<scp>l</scp>-Î±-peptide: structure and function. Physical Chemistry Chemical Physics, 2022, 24, 6699-6715. | 1.3 | 3 |
| 2 | Glucose-Functionalized Liposomes for Reducing False Positives in Cancer Diagnosis. ACS Nano, 2021, 15, 1301-1309. | 7.3 | 14 |
| 3 | Polydopamine Nanoparticles Containing a Cisplatin Analog for Anticancer Treatment and Diagnostics. ACS Applied Nano Materials, 2021, 4, 14126-14135. | 2.4 | 2 |
| 4 | Gold Nanorod-Based Bio-Barcode Sensor Array for Enzymatic Detection in Biomedical Applications. ACS Applied Nano Materials, 2020, 3, 8414-8423. | 2.4 | 7 |
| 5 | Bifunctional Carbon Dotsâ€"Magnetic and Fluorescent Hybrid Nanoparticles for Diagnostic Applications. Nanomaterials, 2020, 10, 1384. | 1.9 | 13 |
| 6 | Biological Logic Gate Using Gold Nanoparticles and Fluorescence Lifetime Imaging Microscopy. ACS Applied Nano Materials, 2019, 2, 6527-6536. | 2.4 | 26 |
| 7 | Neuroprotective Effect of Nerve Growth Factor Loaded in Porous Silicon Nanostructures in an Alzheimer's Disease Model and Potential Delivery to the Brain. Small, 2019, 15, e1904203. | 5.2 | 30 |
| 8 | Porous Materials: Neuroprotective Effect of Nerve Growth Factor Loaded in Porous Silicon Nanostructures in an Alzheimer's Disease Model and Potential Delivery to the Brain (Small 45/2019). Small, 2019, 15, 1970245. | 5.2 | 0 |
| 9 | Photoactive chlorin e6 is a multifunctional modulator of amyloid-Î² aggregation and toxicity via specific interactions with its histidine residues. Chemical Science, 2019, 10, 208-217. | 3.7 | 25 |
| 10 | Computerâ€Aided Design and Synthesis of 1â€{4â€[(3,4â€Dihydroxybenzylidene)amino]phenyl}â€5â€oxopyrrolidineâ€3â€carboxylic Acid as an Nrf2 Enhancer. ChemPlusChem, 2018, 83, 320-333. | 1.3 | 9 |
| 11 | Computer-Aided Design and Synthesis of 1-{4-[(3,4-Dihydroxybenzylidene)amino]phenyl}-5-oxopyrrolidine-3-carboxylic Acid as an Nrf2 Enhancer. ChemPlusChem, 2018, 83, 318-318. | 1.3 | 2 |
| 12 | Inhibition of tau-derived hexapeptide aggregation and toxicity by a self-assembled cyclic <scp>d</scp>,<scp>l</scp>-Î±-peptide conformational inhibitor. Chemical Communications, 2018, 54, 5980-5983. | 2.2 | 33 |
| 13 | Distinct Effects of Oâ€GlcNAcylation and Phosphorylation of a Tauâ€Derived Amyloid Peptide on Aggregation of the Native Peptide. Chemistry - A European Journal, 2018, 24, 14039-14043. | 1.7 | 7 |
| 14 | Specific Binding of Cu(II) Ions to Amyloid-Beta Peptides Bound to Aggregation-Inhibiting Molecules or SDS Micelles Creates Complexes that Generate Radical Oxygen Species. Journal of Alzheimer's Disease, 2016, 54, 971-982. | 1.2 | 34 |
| 15 | Sonochemically-Produced Metal-Containing Polydopamine Nanoparticles and Their Antibacterial and Antibiofilm Activity. Langmuir, 2016, 32, 5201-5212. | 1.6 | 52 |
| 16 | Selfâ€Assembled Cyclic <scp>d,l</scp>â€Î±â€Peptides as Generic Conformational Inhibitors of the Î±â€Synuclein Aggregation and Toxicity: In Vitro and Mechanistic Studies. Chemistry - A European Journal, 2016, 22, 14236-14246. | 1.7 | 34 |
| 17 | Selective Inhibition of Aggregation and Toxicity of a Tauâ€Derived Peptide using Its Glycosylated Analogues. Chemistry - A European Journal, 2016, 22, 5945-5952. | 1.7 | 37 |
| 18 | A versatile water-soluble chelating and radical scavenging platform. Chemical Communications, 2016, 52, 2350-2353. | 2.2 | 13 |

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| 19 | New Perspectives in Reducing Amyloid Aggregation and Toxicity. Israel Journal of Chemistry, 2015, 55, 735-748. | 1.0 | 2 |
| 20 | Resolution of Two Sub-Populations of Conformers and Their Individual Dynamics by Time Resolved Ensemble Level FRET Measurements. PLoS ONE, 2015, 10, e0143732. | 1.1 | 14 |
| 21 | Antibacterial and Antibiofilm Surfaces through Polydopamine-Assisted Immobilization of Lysostaphin as an Antibacterial Enzyme. Langmuir, 2015, 31, 1064-1073. | 1.6 | 89 |
| 22 | Tubular cell phenotype in HIV-associated nephropathy: Role of phospholipid lysophosphatidic acid. Experimental and Molecular Pathology, 2015, 99, 109-115. | 0.9 | 5 |
| 23 | Hypericin and its Derivatives Act as Radiosensitizing Agents That Can Inhibit Tumor Initiating Cell Viability. Clinical Cancer Drugs, 2015, 2, 119-127. | 0.3 | 2 |
| 24 | Structure-based study of antiamyloidogenic cyclic d,l-Î±-peptides. Tetrahedron, 2014, 70, 7639-7644. | 1.0 | 14 |
| 25 | Multifunctional Cyclic <scp>d</scp>,<scp>l</scp>-Î±-Peptide Architectures Stimulate Non-Insulin Dependent Glucose Uptake in Skeletal Muscle Cells and Protect Them Against Oxidative Stress. Journal of Medicinal Chemistry, 2013, 56, 6709-6718. | 2.9 | 14 |
| 26 | Sonochemically produced polydopamine nanocapsules with selective antimicrobial activity. Chemical Communications, 2013, 49, 5721. | 2.2 | 69 |
| 27 | In Vitro and Mechanistic Studies of an Antiamyloidogenic Self-Assembled Cyclic <scp>d</scp>,<scp>l</scp>-Î±-Peptide Architecture. Journal of the American Chemical Society, 2013, 135, 3474-3484. | 6.6 | 95 |
| 28 | Effective Targeting of AÎ² to Macrophages by Sonochemically Prepared Surface-Modified Protein Microspheres. Biomacromolecules, 2013, 14, 110-116. | 2.6 | 16 |
| 29 | Surface-modified protein nanospheres as potential antiviral agents. Chemical Communications, 2012, 48, 8359. | 2.2 | 16 |
| 30 | Non-leaching antimicrobial surfaces through polydopamine bio-inspired coating of quaternary ammonium salts or an ultrashort antimicrobial lipopeptide. Journal of Materials Chemistry, 2012, 22, 2026-2032. | 6.7 | 112 |
| 31 | A facile one-pot sonochemical synthesis of surface-coated mannosyl protein microspheres for detection and killing of bacteria. Chemical Communications, 2011, 47, 12277. | 2.2 | 18 |
| 32 | Surfaceâ€Modified Protein Microspheres Capture Amyloidâ€Î² and Inhibit its Aggregation and Toxicity. Chemistry - A European Journal, 2011, 17, 11171-11177. | 1.7 | 36 |
| 33 | Inside Cover: Surface-Modified Protein Microspheres Capture Amyloid-Î² and Inhibit its Aggregation and Toxicity (Chem. Eur. J. 40/2011). Chemistry - A European Journal, 2011, 17, 11074-11074. | 1.7 | 0 |
| 34 | Towards the Efficiency of Pharmacologically Active Quinoid Compounds: Electron Transfer and Formation of Reactive Oxygen Species. Applied Magnetic Resonance, 2010, 37, 629-648. | 0.6 | 21 |
| 35 | Oneâ€Step Preparation of Multifunctional Chitosan Microspheres by a Simple Sonochemical Method. Chemistry - A European Journal, 2010, 16, 562-567. | 1.7 | 43 |
| 36 | Antibacterial cyclic d,l-Î±-glycopeptides. Chemical Communications, 2009, , 3693. | 2.2 | 60 |

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|---|---|---|---|
| 37 | Hypericin Derivatives: Substituent Effects on Radical-anion Formation. Photochemistry and Photobiology, 2007, 74, 149-156. | 1.3 | 0 |
| 38 | Generation of Free Radicals by Emodic Acid and its [d-Lys6]GnRH-conjugateÂ¶. Photochemistry and Photobiology, 2007, 74, 226-236. | 1.3 | 1 |
| 39 | Novel cyclic azo-bridged analogs of gonadotropin-releasing hormone. Journal of Peptide Science, 2006, 12, 106-115. | 0.8 | 6 |
| 40 | ?-Sulfonamido gonadotropin-releasing hormone analogs: synthesis and evaluation of several parent hormone properties. Journal of Peptide Science, 2005, 11, 45-52. | 0.8 | 3 |
| 41 | Novel Methyl Helianthrones as Photosensitizers: Synthesis and Biological EvaluationÂ¶. Photochemistry and Photobiology, 2005, 81, 250. | 1.3 | 4 |
| 42 | Discovery of a Biologically Active Thiostrepton Fragment. Journal of the American Chemical Society, 2005, 127, 15042-15044. | 6.6 | 66 |
| 43 | Novel Methyl Helianthrones as Photosensitizers: Synthesis and Biological Evaluation<sup>Â¶</sup>. Photochemistry and Photobiology, 2005, 81, 250-258. | 1.3 | 0 |
| 44 | Novel Methyl Helianthrones as Photosensitizers: Synthesis and Biological Evaluation. Photochemistry and Photobiology, 2005, 81, 250-8. | 1.3 | 0 |
| 45 | Receptor-Mediated Targeting of a Photosensitizer by Its Conjugation to Gonadotropin-Releasing Hormone Analogues. Journal of Medicinal Chemistry, 2003, 46, 3965-3974. | 2.9 | 55 |
| 46 | Chemical and Photochemical Electron Transfer of New Helianthrone Derivatives:Â Aspects of Their Photodynamic Activity. Journal of the American Chemical Society, 2003, 125, 1376-1384. | 6.6 | 38 |
| 47 | The neuropeptides GnRH-II and GnRH-I are produced by human T cells and trigger laminin receptor gene expression, adhesion, chemotaxis and homing to specific organs. Nature Medicine, 2002, 8, 1421-1426. | 15.2 | 109 |
| 48 | The neuropeptides GnRH-II and GnRH-I are produced by human T cells and trigger laminin receptor gene expression, adhesion, chemotaxis and homing to specific organs. Nature Medicine, 2002, 8, 1421-1426. | 15.2 | 24 |
| 49 | Two forms of gonadotropin-releasing hormone (GnRH) are expressed in human breast tissue and overexpressed in breast cancer: a putative mechanism for the antiproliferative effect of GnRH by down-regulation of acidic ribosomal phosphoproteins P1 and P2. Cancer Research, 2002, 62, 1036-44. | 0.4 | 58 |
| 50 | Design, Synthesis, and Evaluation of a Long-Acting, Potent Analogue of Gonadotropin-Releasing Hormone. Journal of Medicinal Chemistry, 2001, 44, 3645-3652. | 2.9 | 14 |
| 51 | Hypericin Derivatives: Substituent Effects on Radical-anion Formation. Photochemistry and Photobiology, 2001, 74, 149. | 1.3 | 10 |
| 52 | Base catalyzed [2,3]-sigmatropic rearrangements of propargylic sulfonium and selenonium salts. Tetrahedron Letters, 2001, 42, 2911-2914. | 0.7 | 11 |
| 53 | Peptide Torsion Angle Measurements: Effects of Nondilute Spin Pairs on Carbon-Observed, Deuterium-Dephased PM5-REDOR. Journal of Magnetic Resonance, 2001, 148, 104-114. | 1.2 | 9 |
| 54 | Generation of Free Radicals by Emodic Acid and its [d-Lys6]GnRH-conjugateÂ¶. Photochemistry and Photobiology, 2001, 74, 226. | 1.3 | 24 |

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|---|---|---|---|
| 55 | Two Isoforms of Gonadotropin-Releasing Hormone Are Coexpressed in Neuronal Cell Lines**This work was supported by the Israel Science Foundation, administered by the Israel Academy of Sciences and Humanities.. Endocrinology, 2001, 142, 830-837. | 1.4 | 22 |
| 56 | Design and Synthesis of Potent Hexapeptide and Heptapeptide Gonadotropin-Releasing Hormone Antagonists by Truncation of a Decapeptide Analogue Sequence. Journal of Medicinal Chemistry, 2000, 43, 2831-2836. | 2.9 | 10 |
| 57 | Structureâ^'Activity Studies of Reduced-Size Gonadotropin-Releasing Hormone Agonists Derived from the Sequence of an Endothelin Antagonist. Journal of Medicinal Chemistry, 2000, 43, 2824-2830. | 2.9 | 9 |
| 58 | Solid-State NMR Determination of Peptide Torsion Angles:Â Applications of2H-Dephased REDOR. Journal of the American Chemical Society, 2000, 122, 12263-12269. | 6.6 | 29 |
| 59 | The gonadotropinâ€releasing hormone family of neuropeptides in the brain of human, bovine and rat: identification of a third isoform. FEBS Letters, 1999, 463, 289-294. | 1.3 | 59 |
| 60 | Cytotoxic Peptides: Naphthoquinonyl Derivatives of Luteinizing Hormone-Releasing Hormone. International Journal of Peptide Research and Therapeutics, 1998, 5, 421-427. | 0.1 | 0 |
| 61 | Cytotoxic peptides: Naphthoquinonyl derivatives of luteinizing hormone-releasing hormone. International Journal of Peptide Research and Therapeutics, 1998, 5, 421-427. | 0.1 | 5 |
| 62 | Novel naphthoquinonyl derivatives: Potential structural components for the synthesis of cytotoxic peptides. International Journal of Peptide Research and Therapeutics, 1996, 3, 263-274. | 0.1 | 18 |
| 63 | On the Synthesis of Naphthoquinonyl Heterocyclic Amino Acids. Synthesis, 1996, 1996, 1468-1472. | 1.2 | 28 |