

# H Uri Saragovi

## List of Publications by Year in descending order

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100  
papers

3,556  
citations

117453

34  
h-index

168136

53  
g-index

103  
all docs

103  
docs citations

103  
times ranked

3650  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Loss of nucleus basalis neurons containing trkA immunoreactivity in individuals with mild cognitive impairment and early Alzheimer's disease. <i>Journal of Comparative Neurology</i> , 2000, 427, 19-30.                          | 0.9 | 225       |
| 2  | Reduction of cortical TrkA but not p75NTR protein in early-stage Alzheimer's disease. <i>Annals of Neurology</i> , 2004, 56, 520-531.  | 2.8 | 181       |
| 3  | Changes in retinal expression of neurotrophins and neurotrophin receptors induced by ocular hypertension. <i>Journal of Neurobiology</i> , 2004, 58, 341-354.  | 3.7 | 105       |
| 4  | Chronic and Acute Models of Retinal Neurodegeneration TrkA Activity Are Neuroprotective whereas p75NTR Activity Is Neurotoxic through a Paracrine Mechanism. <i>Journal of Biological Chemistry</i> , 2010, 285, 39392-39400.      | 1.6 | 98        |
| 5  | Inhibition of p75NTR in glia potentiates TrkA-mediated survival of injured retinal ganglion cells. <i>Molecular and Cellular Neurosciences</i> , 2009, 40, 410-420.  | 1.0 | 92        |
| 6  | Optimal Nerve Growth Factor Trophic Signals Mediated by Synergy of TrkA and p75 Receptor-Specific Ligands. <i>Journal of Neuroscience</i> , 1997, 17, 6031-6037.   | 1.7 | 88        |
| 7  | A Novel Biased Allosteric Compound Inhibitor of Parturition Selectively Impedes the Prostaglandin F <sub>2</sub> ±-mediated Rho/ROCK Signaling Pathway. <i>Journal of Biological Chemistry</i> , 2010, 285, 25624-25636.           | 1.6 | 87        |
| 8  | Long-Lasting Rescue of Age-Associated Deficits in Cognition and the CNS Cholinergic Phenotype by a Partial Agonist Peptidomimetic Ligand of TrkA. <i>Journal of Neuroscience</i> , 2004, 24, 8009-8018.                            | 1.7 | 84        |
| 9  | Melanoma-derived small extracellular vesicles induce lymphangiogenesis and metastasis through an NGFR-dependent mechanism. <i>Nature Cancer</i> , 2021, 2, 1387-1405.  | 5.7 | 83        |
| 10 | A kinase-deficient TrkC receptor isoform activates Arf6/Rac1 signaling through the scaffold protein tamalin. <i>Journal of Cell Biology</i> , 2006, 173, 291-299.  | 2.3 | 82        |
| 11 | p75 Co-receptors Regulate Ligand-dependent and Ligand-independent Trk Receptor Activation, in Part by Altering Trk Docking Subdomains. <i>Journal of Biological Chemistry</i> , 2001, 276, 31023-31029.                            | 1.6 | 80        |
| 12 | Novel Approaches for Targeted Cancer Therapy. <i>Current Cancer Drug Targets</i> , 2004, 4, 313-326.   | 0.8 | 80        |
| 13 | A TrkA-selective, Fast Internalizing Nerve Growth Factor-Antibody Complex Induces Trophic but Not Neuritogenic Signals. <i>Journal of Biological Chemistry</i> , 1998, 273, 34933-34940.   | 1.6 | 78        |
| 14 | An Agonistic TrkB mAb Causes Sustained TrkB Activation, Delays RGC Death, and Protects the Retinal Structure in Optic Nerve Axotomy and in Glaucoma. , 2010, 51, 4722.   |     | 78        |
| 15 | p75 <sup>NTR</sup> and Its Ligand ProNGF Activate Paracrine Mechanisms Etiological to the Vascular, Inflammatory, and Neurodegenerative Pathologies of Diabetic Retinopathy. <i>Journal of Neuroscience</i> , 2016, 36, 8826-8841. | 1.7 | 58        |
| 16 | Neurotrophic rationale in glaucoma: A TrkA agonist, but not NGF or a p75 antagonist, protects retinal ganglion cells in vivo. <i>Developmental Neurobiology</i> , 2007, 67, 884-894.   | 1.5 | 56        |
| 17 | Prodrug chemotherapeutics bypass p-glycoprotein resistance and kill tumors in vivo with high efficacy and target-dependent selectivity. <i>Oncogene</i> , 2004, 23, 3613-3621.   | 2.6 | 53        |
| 18 | Selective Small Molecule Peptidomimetic Ligands of TrkC and TrkA Receptors Afford Discrete or Complete Neurotrophic Activities. <i>Chemistry and Biology</i> , 2005, 12, 1015-1028.  | 6.2 | 53        |

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|----|---|-----|-----------|
| 19 | Modulation of p75NTR prevents diabetes- and proNGF-induced retinal inflammation and blood-retina barrier breakdown in mice and rats. <i>Diabetologia</i> , 2013, 56, 2329-2339.   | 2.9 | 51        |
| 20 | Functional mimetics of neurotrophins and their receptors. <i>Biochemical Society Transactions</i> , 2006, 34, 612-617.  | 1.6 | 49        |
| 21 | In Glaucoma the Upregulated Truncated TrkC.T1 Receptor Isoform in Glia Causes Increased TNF- $\alpha$ Production, Leading to Retinal Ganglion Cell Death. , 2010, 51, 6639.   |     | 49        |
| 22 | Bivalent Peptidomimetic Ligands of TrkC Are Biased Agonists and Selectively Induce Neuritogenesis or Potentiate Neurotrophin-3 Trophic Signals. <i>ACS Chemical Biology</i> , 2009, 4, 769-781.   | 1.6 | 48        |
| 23 | Angiotensin II Type I and Prostaglandin F $_{2\alpha}$ Receptors Cooperatively Modulate Signaling in Vascular Smooth Muscle Cells. <i>Journal of Biological Chemistry</i> , 2015, 290, 3137-3148.   | 1.6 | 48        |
| 24 | Focused ultrasound delivery of a selective TrkA agonist rescues cholinergic function in a mouse model of Alzheimer's disease. <i>Science Advances</i> , 2020, 6, eaax6646.  | 4.7 | 46        |
| 25 | A Pro-Nerve Growth Factor (proNGF) and NGF Binding Protein, $\alpha$ 2-Macroglobulin, Differentially Regulates p75 and TrkA Receptors and Is Relevant to Neurodegeneration <i>Ex Vivo</i> and <i>In Vivo</i> . <i>Molecular and Cellular Biology</i> , 2015, 35, 3396-3408. | 1.1 | 45        |
| 26 | Synthetic CD4 exocyclics inhibit binding of human immunodeficiency virus type 1 envelope to CD4 and virus replication in T lymphocytes. <i>Nature Biotechnology</i> , 1997, 15, 150-154.  | 9.4 | 44        |
| 27 | A Combinatorial Method for Solution-Phase Synthesis of Labeled Bivalent $\alpha$ 2-Turn Mimics. <i>Journal of the American Chemical Society</i> , 2008, 130, 556-565.   | 6.6 | 43        |
| 28 | A Neurotrophic Rationale for the Therapy of Neurodegenerative Disorders. <i>Current Alzheimer Research</i> , 2009, 6, 419-423.  | 0.7 | 43        |
| 29 | Ligand-Dependent TrkA Activity in Brain Differentially Affects Spatial Learning and Long-Term Memory. <i>Molecular Pharmacology</i> , 2011, 80, 498-508.  | 1.0 | 41        |
| 30 | An NGF mimetic, MIM-D3, stimulates conjunctival cell glycoconjugate secretion and demonstrates therapeutic efficacy in a rat model of dry eye. <i>Experimental Eye Research</i> , 2011, 93, 503-512.  | 1.2 | 40        |
| 31 | $\alpha$ 2-Macroglobulin Is a Mediator of Retinal Ganglion Cell Death in Glaucoma. <i>Journal of Biological Chemistry</i> , 2008, 283, 29156-29165.   | 1.6 | 39        |
| 32 | BDNF, NT-3 and Trk receptor agonist monoclonal antibodies promote neuron survival, neurite extension, and synapse restoration in rat cochlea ex vivo models relevant for hidden hearing loss. <i>PLoS ONE</i> , 2019, 14, e0224022.   | 1.1 | 39        |
| 33 | Self Recognition in the Ig Superfamily. <i>Journal of Biological Chemistry</i> , 2000, 275, 26935-26943.  | 1.6 | 39        |
| 34 | Loops and Secondary Structure Mimetics: Development and Applications in Basic Science and Rational Drug Design. <i>Nature Biotechnology</i> , 1992, 10, 773-778.  | 9.4 | 38        |
| 35 | Design and Solution Structure of Functional Peptide Mimetics of Nerve Growth Factor. <i>Journal of Medicinal Chemistry</i> , 2000, 43, 3530-3540.   | 2.9 | 37        |
| 36 | Neurotrophin receptor agonists and antagonists as therapeutic agents: An evolving paradigm. <i>Neurobiology of Disease</i> , 2017, 97, 139-155.   | 2.1 | 37        |

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|----|---|-----|-----------|
| 37 | p75-Nerve Growth Factor as an Antiapoptotic Complex: Independence versus Cooperativity in Protection from Eneidyne Chemotherapeutic Agents. <i>Molecular Pharmacology</i> , 2002, 61, 710-719.                            | 1.0 | 35        |
| 38 | Small Molecule Peptidomimetic Ligands of Neurotrophin Receptors, Identifying Binding Sites, Activation Sites and Regulatory Sites. <i>Current Pharmaceutical Design</i> , 2002, 8, 2201-2216.                             | 0.9 | 35        |
| 39 | Inhibiting the MNK1/2-eIF4E axis impairs melanoma phenotype switching and potentiates antitumor immune responses. <i>Journal of Clinical Investigation</i> , 2021, 131, .   | 3.9 | 35        |
| 40 | Differential roles of Trk and p75 neurotrophin receptors in tumorigenesis and chemoresistance ex vivo and in vivo. <i>Cancer Chemotherapy and Pharmacology</i> , 2010, 65, 1047-1056.                                     | 1.1 | 34        |
| 41 | Role of proNGF/p75 signaling in bladder dysfunction after spinal cord injury. <i>Journal of Clinical Investigation</i> , 2018, 128, 1772-1786.  | 3.9 | 34        |
| 42 | Differential cross-regulation of TrkA and TrkC tyrosine kinase receptors with p75. <i>Oncogene</i> , 2003, 22, 5677-5685.   | 2.6 | 33        |
| 43 | TrkA Receptor "Hot Spots" for Binding of NT-3 as a Heterologous Ligand. <i>Journal of Biological Chemistry</i> , 2007, 282, 16754-16763.  | 1.6 | 33        |
| 44 | Small molecule and protein-based neurotrophic ligands: agonists and antagonists as therapeutic agents. <i>Expert Opinion on Therapeutic Patents</i> , 1999, 9, 737-751.   | 2.4 | 32        |
| 45 | Rapid High-Yield Production of Functional SARS-CoV-2 Receptor Binding Domain by Viral and Non-Viral Transient Expression for Pre-Clinical Evaluation. <i>Vaccines</i> , 2020, 8, 654.                                     | 2.1 | 32        |
| 46 | Solution Structure and Internal Motion of a Bioactive Peptide Derived from Nerve Growth Factor. <i>Journal of Biological Chemistry</i> , 1998, 273, 23652-23658.  | 1.6 | 31        |
| 47 | Syntheses and Activities of New C10 <sup>2</sup> -Turn Peptidomimetics. <i>Journal of Organic Chemistry</i> , 2004, 69, 701-713.  | 1.7 | 31        |
| 48 | Cholesterol biosynthesis and the pro-apoptotic effects of the p75 nerve growth factor receptor in PC12 pheochromocytoma cells. <i>Molecular Brain Research</i> , 2005, 139, 225-234.                                      | 2.5 | 29        |
| 49 | The Adhesion and Differentiation-inhibitory Activities of the Immunoglobulin Superfamily Member, Carcinoembryonic Antigen, Can Be Independently Blocked. <i>Journal of Biological Chemistry</i> , 2003, 278, 14632-14639. | 1.6 | 28        |
| 50 | The intracellular domain of p75NTR as a determinant of cellular reducing potential and response to oxidant stress. <i>Aging Cell</i> , 2005, 4, 187-196.  | 3.0 | 28        |
| 51 | HER2-Mediated Internalization of a Targeted Prodrug Cytotoxic Conjugate Is Dependent on the Valency of the Targeting Ligand. <i>DNA and Cell Biology</i> , 2005, 24, 351-358.   | 0.9 | 28        |
| 52 | Neuronal Injury External to the Retina Rapidly Activates Retinal Glia, Followed by Elevation of Markers for Cell Cycle Re-Entry and Death in Retinal Ganglion Cells. <i>PLoS ONE</i> , 2014, 9, e101349.                  | 1.1 | 25        |
| 53 | Allosteric Noncompetitive Small Molecule Selective Inhibitors of CD45 Tyrosine Phosphatase Suppress T-Cell Receptor Signals and Inflammation In Vivo. <i>Molecular Pharmacology</i> , 2014, 85, 553-563.                  | 1.0 | 25        |
| 54 | Longitudinal study of retinal degeneration in a rat using spectral domain optical coherence tomography. <i>Optics Express</i> , 2010, 18, 23435.  | 1.7 | 23        |

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|----|---|-----|-----------|
| 55 | p75NTR antagonists attenuate photoreceptor cell loss in murine models of retinitis pigmentosa. <i>Cell Death and Disease</i> , 2017, 8, e2922-e2922.  | 2.7 | 23        |
| 56 | P75 neurotrophin receptor regulates expression of neural cell adhesion molecule 1. <i>Neurobiology of Disease</i> , 2005, 20, 969-985.  | 2.1 | 22        |
| 57 | During Glaucoma, $\beta$ 2-Macroglobulin Accumulates in Aqueous Humor and Binds to Nerve Growth Factor, Neutralizing Neuroprotection. , 2011, 52, 5260.   |     | 22        |
| 58 | Neuroprotection: Pro-survival and Anti-neurotoxic Mechanisms as Therapeutic Strategies in Neurodegeneration. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 231.   | 1.8 | 20        |
| 59 | Vaccination with Tumor-Ganglioside Glycomimetics Activates a Selective Immunity that Affords Cancer Therapy. <i>Cell Chemical Biology</i> , 2019, 26, 1013-1026.e4.   | 2.5 | 20        |
| 60 | Progression of age-associated cognitive impairment correlates with quantitative and qualitative loss of TrkA receptor protein in nucleus basalis and cortex. <i>Journal of Neurochemistry</i> , 2005, 95, 1472-1480.                    | 2.1 | 19        |
| 61 | A peptidomimetic of NT-3 acts as a TrkC antagonist. <i>Peptides</i> , 2009, 30, 1833-1839.  | 1.2 | 19        |
| 62 | Nerve growth factor stimulation of ERK1/2 phosphorylation requires both p75NTR and $\beta$ 1 integrin and confers myoprotection towards ischemia in C2C12 skeletal muscle cell model. <i>Cellular Signalling</i> , 2012, 24, 2378-2388. | 1.7 | 19        |
| 63 | Ligands Binding to Cell Surface Ganglioside GD2 Cause Src-Dependent Activation of N-Methyl-D-Aspartate Receptor Signaling and Changes in Cellular Morphology. <i>PLoS ONE</i> , 2015, 10, e0134255.                                     | 1.1 | 19        |
| 64 | Bivalent Diketopiperazine-Based Tropomyosin Receptor Kinase C (TrkC) Antagonists. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 5044-5048.  | 2.9 | 18        |
| 65 | Raft-Dependent Endocytosis of Autocrine Motility Factor/Phosphoglucose Isomerase: A Potential Drug Delivery Route for Tumor Cells. <i>PLoS ONE</i> , 2008, 3, e3597.  | 1.1 | 18        |
| 66 | Ultrasound delivery of a TrkA agonist confers neuroprotection to Alzheimer-associated pathologies. <i>Brain</i> , 2022, 145, 2806-2822.   | 3.7 | 18        |
| 67 | A Receptor That Subserves Reovirus Binding Can Inhibit Lymphocyte Proliferation Triggered by Mitogenic Signals. <i>DNA and Cell Biology</i> , 1995, 14, 653-664.  | 0.9 | 17        |
| 68 | Aiming for the Sweet Spot: Glyco-Immune Checkpoints and $\beta$ 1 T Cells in Targeted Immunotherapy. <i>Frontiers in Immunology</i> , 2020, 11, 564499.   | 2.2 | 16        |
| 69 | A ligand of the p65/p95 receptor suppresses perforant path kindling, kindling-induced mossy fiber sprouting, and hilar area changes in adult rats. <i>Neuroscience</i> , 2003, 119, 1147-1156.  | 1.1 | 15        |
| 70 | Inhibition of CD45 Phosphatase Activity Induces Cell Cycle Arrest and Apoptosis of CD45+ Lymphoid Tumors Ex Vivo and In Vivo. <i>Molecular Pharmacology</i> , 2018, 93, 575-580.  | 1.0 | 15        |
| 71 | Gangliosides: therapeutic agents or therapeutic targets?. <i>Expert Opinion on Therapeutic Patents</i> , 2002, 12, 1215-1223.   | 2.4 | 14        |
| 72 | Selective Formation of Homo- and Heterobivalent Peptidomimetics. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 3565-3567.   | 2.9 | 14        |

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|----|---|-----|-----------|
| 73 | Differential actions of nerve growth factor receptors TrkA and p75NTR in a rat model of epileptogenesis. <i>Molecular and Cellular Neurosciences</i> , 2005, 29, 162-172.   | 1.0 | 14        |
| 74 | A monovalent agonist of TrkA tyrosine kinase receptors can be converted into a bivalent antagonist. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2010, 1800, 1018-1026.                                  | 1.1 | 14        |
| 75 | UNG-1 and APN-1 are the major enzymes to efficiently repair 5-hydroxymethyluracil DNA lesions in <i>C. elegans</i> . <i>Scientific Reports</i> , 2018, 8, 6860.   | 1.6 | 14        |
| 76 | The Paradoxical Signals of Two TrkC Receptor Isoforms Supports a Rationale for Novel Therapeutic Strategies in ALS. <i>PLoS ONE</i> , 2016, 11, e0162307.   | 1.1 | 14        |
| 77 | Effective chimeric antigen receptor T cells against SARS-CoV-2. <i>IScience</i> , 2021, 24, 103295.   | 1.9 | 14        |
| 78 | Preparation and Characterization of New Anti-PSMA Monoclonal Antibodies with Potential Clinical Use. <i>Hybridoma</i> , 2007, 26, 363-372.  | 0.5 | 13        |
| 79 | An agonistic mAb directed to the TrkC receptor juxtamembrane region defines a trophic hot spot and interactions with p75 coreceptors. <i>Developmental Neurobiology</i> , 2010, 70, 150-164.                          | 1.5 | 13        |
| 80 | Combinatorial Assembly of Small Molecules into Bivalent Antagonists of TrkC or TrkA Receptors. <i>PLoS ONE</i> , 2014, 9, e89617.   | 1.1 | 12        |
| 81 | Small-Molecule Ligands of GD2 Ganglioside, Designed from NMR Studies, Exhibit Induced-Fit Binding and Bioactivity. <i>Chemistry and Biology</i> , 2010, 17, 183-194.  | 6.2 | 11        |
| 82 | The route of administration influences the therapeutic index of an anti-proNGF neutralizing mAb for experimental treatment of Diabetic Retinopathy. <i>PLoS ONE</i> , 2018, 13, e0199079.                             | 1.1 | 11        |
| 83 | Antagonism of proNGF or its receptor p75NTR reverses remodelling and improves bladder function in a mouse model of diabetic voiding dysfunction. <i>Diabetologia</i> , 2020, 63, 1932-1946.                           | 2.9 | 11        |
| 84 | Subconjunctival Delivery of p75 <sup>NTR</sup> Antagonists Reduces the Inflammatory, Vascular, and Neurodegenerative Pathologies of Diabetic Retinopathy. , 2017, 58, 2852.   |     | 10        |
| 85 | A p65/p95 Neural Surface Receptor is Expressed at the S-G2Phase of the Cell Cycle and Defines Distinct Populations. <i>European Journal of Neuroscience</i> , 1996, 8, 273-281.                                       | 1.2 | 9         |
| 86 | A G1Cell Cycle Arrest Induced by Ligands of the Reovirus Type 3 Receptor Is Secondary to Inactivation of p21ras and Mitogen-Activated Protein Kinase. <i>DNA and Cell Biology</i> , 1999, 18, 763-770.                | 0.9 | 9         |
| 87 | In retinitis pigmentosa TrkC.T1-dependent vectorial Erk activity upregulates glial TNF- $\hat{\pm}$ , causing selective neuronal death. <i>Cell Death and Disease</i> , 2017, 8, 3222.                                | 2.7 | 9         |
| 88 | Small-molecule agonists of the RET receptor tyrosine kinase activate biased trophic signals that are influenced by the presence of GFRA1 co-receptors. <i>Journal of Biological Chemistry</i> , 2020, 295, 6532-6542. | 1.6 | 9         |
| 89 | Neurotrophins. , 2013, , 1639-1646.   |     | 7         |
| 90 | Pharmacological interrogation of TrkA-mediated mechanisms in hippocampal-dependent memory consolidation. <i>PLoS ONE</i> , 2019, 14, e0218036.  | 1.1 | 7         |

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|-----|---|-----|-----------|
| 91  | Constrained peptides and mimetics as probes of protein secondary structure. <i>ImmunoMethods</i> , 1992, 1, 5-9.  | 0.8 | 6         |
| 92  | Synthesis and evaluation of novel dipeptidyl benzoyloxymethyl ketones as caspase inhibitors. <i>Biochemical and Biophysical Research Communications</i> , 2005, 336, 397-400.   | 1.0 | 6         |
| 93  | Small-Molecule Ligands that Bind the RET Receptor Activate Neuroprotective Signals Independent of but Modulated by Coreceptor GFR $\alpha$ 1. <i>Molecular Pharmacology</i> , 2020, 98, 1-12.   | 1.0 | 6         |
| 94  | Signaling pathways mediating a selective induction of nitric oxide synthase II by tumor necrosis factor alpha in nerve growth factor-responsive cells. <i>Journal of Neuroinflammation</i> , 2005, 2, 19.                                       | 3.1 | 5         |
| 95  | Therapeutic Neuroprotection by an Engineered Neurotrophin that Selectively Activates Tropomyosin Receptor Kinase (Trk) Family Neurotrophin Receptors but Not the p75 Neurotrophin Receptor. <i>Molecular Pharmacology</i> , 2021, 100, 491-501. | 1.0 | 4         |
| 96  | Rational Design of Peptide Ligands Against a Glycolipid by NMR Studies. <i>Methods in Molecular Biology</i> , 2012, 928, 39-52.   | 0.4 | 3         |
| 97  | The Neurotrophins. , 2006, , 1407-1413.   |     | 2         |
| 98  | Alternative Splicing of a Receptor Intracellular Domain Yields Different Ectodomain Conformations, Enabling Isoform-Selective Functional Ligands. <i>IScience</i> , 2020, 23, 101447.   | 1.9 | 2         |
| 99  | Modulation of diabetic kidney disease markers by an antagonist of p75NTR in streptozotocin-treated mice. <i>Gene</i> , 2022, 838, 146729.   | 1.0 | 2         |
| 100 | Loss of nucleus basalis neurons containing trkA immunoreactivity in individuals with mild cognitive impairment and early Alzheimer's disease. , 0, .  |     | 1         |