

Michal Halperin-Sternfeld

List of Publications by Year in descending order

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35
papers

947
citations

471061

17
h-index

454577

30
g-index

37
all docs

37
docs citations

37
times ranked

1197
citing authors

#	ARTICLE	IF	CITATIONS
1	Injectable Alginate-Peptide Composite Hydrogel as a Scaffold for Bone Tissue Regeneration. <i>Nanomaterials</i> , 2019, 9, 497.	1.9	94
2	UV Light-Responsive Peptide-Based Supramolecular Hydrogel for Controlled Drug Delivery. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1800588.	2.0	85
3	Arginine-Presenting Peptide Hydrogels Decorated with Hydroxyapatite as Biomimetic Scaffolds for Bone Regeneration. <i>Biomacromolecules</i> , 2017, 18, 3541-3550.	2.6	78
4	Molecular co-assembly as a strategy for synergistic improvement of the mechanical properties of hydrogels. <i>Chemical Communications</i> , 2017, 53, 9586-9589.	2.2	78
5	Fmoc-FF and hexapeptide-based multicomponent hydrogels as scaffold materials. <i>Soft Matter</i> , 2019, 15, 487-496.	1.2	70
6	Improving the Mechanical Rigidity of Hyaluronic Acid by Integration of a Supramolecular Peptide Matrix. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 41883-41891.	4.0	65
7	The association between shallow vestibular depth and peri-implant parameters: a retrospective 6 years longitudinal study. <i>Journal of Clinical Periodontology</i> , 2016, 43, 305-310.	2.3	39
8	Dimensional changes of the maxillary sinus following tooth extraction in the posterior maxilla with and without socket preservation. <i>Clinical Implant Dentistry and Related Research</i> , 2017, 19, 952-958.	1.6	38
9	Composite of Peptide-Supramolecular Polymer and Covalent Polymer Comprises a New Multifunctional, Bio-Inspired Soft Material. <i>Macromolecular Rapid Communications</i> , 2019, 40, e1900175.	2.0	37
10	Enhanced Nanoassembly-Incorporated Antibacterial Composite Materials. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 21334-21342.	4.0	36
11	Variables affecting tooth survival and changes in probing depth: a long-term follow-up of periodontitis patients. <i>Journal of Clinical Periodontology</i> , 2015, 42, 513-519.	2.3	30
12	Amyloid-Like Fibrillary Morphology Originated by Tyrosine-Containing Aromatic Hexapeptides. <i>Chemistry - A European Journal</i> , 2018, 24, 6804-6817.	1.7	28
13	Collagen-Inspired Helical Peptide Coassembly Forms a Rigid Hydrogel with Twisted Polyproline II Architecture. <i>ACS Nano</i> , 2020, 14, 9990-10000.	7.3	25
14	Diagnostic Accuracy of Cone Beam Computed Tomography for Dimensional Linear Measurements in the Mandible. <i>International Journal of Oral and Maxillofacial Implants</i> , 2014, 29, 593-599.	0.6	24
15	Phase Transition and Crystallization Kinetics of a Supramolecular System in a Microfluidic Platform. <i>Chemistry of Materials</i> , 2020, 32, 8342-8349.	3.2	22
16	Dipeptide Nanostructure Assembly and Dynamics <i>in Situ</i> Liquid-Phase Electron Microscopy. <i>ACS Nano</i> , 2021, 15, 16542-16551.	7.3	21
17	Bi-functional peptide-based 3D hydrogel-scaffolds. <i>Soft Matter</i> , 2020, 16, 7006-7017.	1.2	20
18	Hyaluronic Acid and a Short Peptide Improve the Performance of a PCL Electrospun Fibrous Scaffold Designed for Bone Tissue Engineering Applications. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2425.	1.8	19

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19	The Pathogenesis of Implant-Related Reactive Lesions: A Clinical, Histologic and Polarized Light Microscopy Study. <i>Journal of Periodontology</i> , 2016, 87, 502-510.	1.7	18
20	Mechanical Enhancement and Kinetics Regulation of Fmoc-Diphenylalanine Hydrogels by Thioflavin T. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25339-25345.	7.2	16
21	Pillararene-Based Two-Component Thixotropic Supramolecular Organogels: Complementarity and Multivalency as Prominent Motifs. <i>Chemistry - A European Journal</i> , 2018, 24, 15750-15755.	1.7	14
22	The Effects of a Short Self-Assembling Peptide on the Physical and Biological Properties of Biopolymer Hydrogels. <i>Pharmaceutics</i> , 2021, 13, 1602.	2.0	13
23	Formation of peptide-based oligomers in dimethylsulfoxide: identifying the precursor of fibril formation. <i>Soft Matter</i> , 2020, 16, 7860-7868.	1.2	12
24	Thixotropic Red Microalgae Sulfated Polysaccharide-Peptide Composite Hydrogels as Scaffolds for Tissue Engineering. <i>Biomedicines</i> , 2022, 10, 1388.	1.4	12
25	Bio Mimicking of Extracellular Matrix. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1174, 371-399.	0.8	10
26	Stabilizing gelatin-based bioinks under physiological conditions by incorporation of ethylene-glycol-conjugated Fmoc-FF peptides. <i>Nanoscale</i> , 2022, 14, 8525-8533.	2.8	9
27	Sonochemical Functionalization of Cotton and Non-Woven Fabrics with Bio-Inspired Self-Assembled Nanostructures. <i>Israel Journal of Chemistry</i> , 2020, 60, 1190-1196.	1.0	8
28	Disordered Protein Stabilization by Co-Assembly of Short Peptides Enables Formation of Robust Membranes. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 464-473.	4.0	8
29	Surface Modification by Nano-Structures Reduces Viable Bacterial Biofilm in Aerobic and Anaerobic Environments. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7370.	1.8	7
30	Do we really know how to evaluate tooth prognosis? A systematic review and suggested approach. <i>Quintessence International</i> , 2013, 44, 447-56.	0.3	4
31	Patient movement during extraoral radiographic scanning. <i>Oral Radiology</i> , 2016, 32, 40-47.	0.9	3
32	Mechanical Enhancement and Kinetics Regulation of Fmoc-Diphenylalanine Hydrogels by Thioflavin T. <i>Angewandte Chemie</i> , 0, , .	1.6	3
33	Pillararene-Based Two-Component Thixotropic Supramolecular Organogels: Complementarity and Multivalency as Prominent Motifs. <i>Chemistry - A European Journal</i> , 2018, 24, 15695-15695.	1.7	1
34	Biological Communications Between Implants and Periodontal Tissues. <i>Current Oral Health Reports</i> , 2019, 6, 264-268.	0.5	0
35	Structural Transformation and Morphology of Dipeptide Supramolecular Assemblies by Liquid-phase TEM. <i>Microscopy and Microanalysis</i> , 2020, 26, 1442-1443.	0.2	0