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On Visual Similarity Based 3D Model Retrieval

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963	A Bayesian framework for 3D models retrieval based on characteristic views.		6
962	.		5
961	Modeling by example. 2004 ,		78
960	Interactive retrieval of 3D virtual shapes using physical objects.		1
959	Automatic selection and combination of descriptors for effective 3D similarity search.		23
958	Efficient 3D object retrieval using depth images. 2004 ,		10
957	A tool for structure alignment of molecules.		0
956	Modeling by example. 2004 , 23, 652-663		317
955	The Princeton Shape Benchmark.		490
954	Geometry image matching for similarity estimation of 3D shapes.		3
953	Shape matching using the 3D Radon transform. 2004 ,		10
952	A survey of content based 3D shape retrieval methods.		157
951	Efficient 3D Model Retrieval Method Using Geometric Characteristics in Intersected Meshes. 2005 , 376-386		2
950	3D content-based search and retrieval using the 2D polar wavelet transform. 2005 ,		1
949	Semantic-oriented 3d shape retrieval using relevance feedback. 2005 , 21, 865-875		64
948	A framework for 3D CAD models retrieval from 2D images. 2005 , 60, 1337-1359		2
947	Retrieval by content similarity of 3D Models using spin images. 2005 , 60, 1360-1378		

946	Shape-based retrieval and analysis of 3d models. 2005 , 48, 58-64	47
945	A web-based three-dimensional protein retrieval system by matching visual similarity. 2005 , 21, 3056-7	40
944	A web-based protein retrieval system by matching visual similarity.	
943	Shape-based retrieval of 3D models in scene synthesis.	1
942	Radius-normal histogram and hybrid strategy for 3D shape retrieval.	1
941	DESIRE: a composite 3D-shape descriptor.	39
940	3D model retrieval based on orthogonal projections.	0
939	Feature-based similarity search in 3D object databases. 2005 , 37, 345-387	254
938	. 2006 , 8, 101-114	43
937	Invariant Features for 3D-Data based on Group Integration using Directional Information and Spherical Harmonic Expansion. 2006 ,	12
936	An Efficient Mechanism for 3D Model Retrieval. 2006 ,	
935	Selecting Distinctive 3D Shape Descriptors for Similarity Retrieval.	28
934	. 2006 ,	3
933	.	34
932	3D Content-Based Search Based on 3D Krawtchouk Moments. 2006 ,	15
931	An Efficient Content-Based Retrieval System For 3D Objects. 2006 , 28, 308-313	1
930	3D Model Search and Retrieval Using the Spherical Trace Transform. 2006 , 2007, 1	34
929	3D Shape Similarity Comparison Using Multi-level Spherical Moments. 2006 , 3, 307-314	

928	On visual similarity based 2D drawing retrieval. <i>CAD Computer Aided Design</i> , 2006 , 38, 249-259	2.9	65
927	Developing an engineering shape benchmark for CAD models. <i>CAD Computer Aided Design</i> , 2006 , 38, 939-953	2.9	172
926	Sub-part correspondence by structural descriptors of 3D shapes. <i>CAD Computer Aided Design</i> , 2006 , 38, 1002-1019	2.9	108
925	Multi-level spherical moments based 3D model retrieval. 2006 , 7, 1500-1507		2
924	An experimental effectiveness comparison of methods for 3D similarity search. 2006 , 6, 39-54		31
923	Spherical parameterization and geometry image-based 3D shape similarity estimation (CGS 2004 special issue). 2006 , 22, 324-331		5
922	Second order 3D shape features: An exhaustive study. 2006 , 30, 197-206		14
921	Automatic Registration of Multiple Range Images by the Local Log-Polar Range Images. 2006 ,		2
920	Genus-Zero Shape Classification Using Spherical Normal Image. 2006 ,		
919	Unsupervised learning from a corpus for shape-based 3D model retrieval. 2006 ,		19
918	3DString. 2006 ,		3
917	. 2006 ,		1
916	Enhanced 2D/3D Approaches Based on Relevance Index for 3D-Shape Retrieval.		11
915	On 3D Retrieval from Photos. 2006 ,		1
914	DISCRIMINATIVE SPHERICAL WAVELET FEATURES FOR CONTENT-BASED 3D MODEL RETRIEVAL. 2007 , 13, 51-72		15
913	3D Models and Digital Library. 2007 ,		
912	3D Model Retrieval Based on Depth Line Descriptor. 2007 ,		19
911	Harmonic Silhouette Matching for 3D Models. 2007 ,		3

910	A boosting approach to content-based 3D model retrieval. 2007,	6
909	Learning semantic categories for 3D model retrieval. 2007,	18
908	Shape modeling and matching in identifying protein structure from low-resolution images. 2007,	4
907	3D Shape Retrieval Integrated with Classification Information. 2007,	4
906	Deformable model retrieval based on topological and geometric signatures. 2007, 13, 470-82	32
905	A 3D Model Retrieval Approach Based on the Principal Plane Descriptor. 2007,	5
904	OFS: A Feature Selection Method for Shape-based 3D Model Retrieval. 2007,	2
903	HEAD AND NECK CANCER PATIENT SIMILARITY BASED ON ANATOMICAL STRUCTURAL GEOMETRY. 2007,	3
902	MADE: A Composite Visual-Based 3D Shape Descriptor. 2007, 93-104	5
901	A Study of Shape Similarity for Temporal Surface Sequences of People. 2007,	8
900	Using a Partial Geometric Feature for Similarity Search of 3D Objects. 2007, 3, 674-682	3
899	Content-Based Object Movie Retrieval and Relevance Feedbacks. 2007, 2007,	2
898	A simple method for fitting sphere-like surfaces. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence, 2007, 29, 1673-8</i>	13.3 5
897	Intraclass retrieval of nonrigid 3D objects: application to face recognition. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence, 2007, 29, 218-29</i>	13.3 75
896	Pose-oblivious shape signature. 2007, 13, 261-71	107
895	Content-based 3D object retrieval. 2007, 27, 22-7	63
894	Advances in Visual Information Systems. 2007,	1
893	. 2007, 9, 78-88	165

892	Learning the natural grasping component of an unknown object. 2007 ,		12
891	Content-Based Shape Search of 3D CAD Models with Relevance Feedback. 2007 ,		1
890	. 2007 , 9, 589-599		58
889	A New Descriptor for 2D Depth Image Indexing and 3D Model Retrieval. 2007 ,		25
888	3D Object Retrieval Using Ray Casting. 2007 ,		1
887	Multi-feature Integration on 3D Model Similarity Retrieval. 2007 ,		1
886	Contour Correspondence via Ant Colony Optimization. 2007 ,		10
885	Multivariate Density-Based 3D Shape Descriptors. 2007 ,		11
884	Content-Based 3-D Model Retrieval: A Survey. 2007 , 37, 1081-1098		55
883	A spectral approach to shape-based retrieval of articulated 3D models. <i>CAD Computer Aided Design</i> , 2007 , 39, 398-407	2.9	118
882	A new 3D model retrieval approach based on the elevation descriptor. 2007 , 40, 283-295		129
881	Support Vector Machine active learning for 3D model retrieval. 2007 , 8, 1953-1961		15
880	Modeling real objects for Kansei-based shape retrieval. 2007 , 4, 14-17		5
879	Retrieving 3D CAD model by freehand sketches for design reuse. 2008 , 22, 385-392		17
878	A survey of content based 3D shape retrieval methods. <i>Multimedia Tools and Applications</i> , 2008 , 39, 441-451		515
877	A powerful relevance feedback mechanism for content-based 3D model retrieval. <i>Multimedia Tools and Applications</i> , 2008 , 40, 135-150	2.5	27
876	Representation and retrieval of 3D CAD models in parts library. 2008 , 36, 950-958		12
875	Content-based 3D mesh model retrieval from hand-written sketch. 2008 , 2, 87-98		8

874	Size functions for comparing 3D models. 2008 , 41, 2855-2873		30
873	Shape modeling and matching in identifying 3D protein structures. <i>CAD Computer Aided Design</i> , 2008 , 40, 708-720	2.9	24
872	Salient local visual features for shape-based 3D model retrieval. 2008 ,		63
871	An automated CT based lung nodule detection scheme using geometric analysis of signed distance field. 2008 , 35, 3453-61		37
870	Content based 3D model retrieval: A survey. 2008 ,		10
869	SHREC08 entry: 3D shape searching using object partitioning. 2008 ,		2
868	. 2008 ,		
867	. 2008 , 10, 819-831		32
866	3D models—Indexing and compression storage in digital library. 2008 ,		
865	A 3D Model Retrieval System Using the Derivative Elevation and 3D-ART. 2008 ,		3
864	Partial Relevance Feedback for 3D Model Retrieval. 2008 ,		
863	Adaptive Multimedia Retrieval: Retrieval, User, and Semantics. 2008 ,		2
862	An overview of content-based three-dimensional model retrieval methods. 2008 ,		2
861	SHREC08 entry: Multi-view 3D retrieval using multi-scale contour representation. 2008 ,		8
860	3d Model Similarity Matching Based on Multiple Characteristic Views. 2008 ,		
859	General and Partial Shape Matching Approaches on Feature-Based CAD Models to Support Efficient Part Retrieval. 2008 ,		1
858	Adding Content-based 3D Model retrieval to semantic web. 2008 ,		
857	Using CBIR and semantics in 3D-model retrieval. 2008 ,		4

856	A rectilinearity measurement for 3d meshes. 2008,	3
855	3D object retrieval approach based on directed acyclic graph lightfield feature. 2008, 44, 847	6
854	A 3D Geometry Search Engine in Support of Learning. 2007, 404-415	1
853	Using Filtering Algorithm for Partial Similarity Search on 3D Shape Retrieval System. <i>Lecture Notes in Electrical Engineering,</i> 2008, 485-496	0.2
852	Identifying objects in range data based on similarity transformation invariant shape signatures. 2008,	
851	Model retrieval based on flattened-surface shape comparing in 3D object databases. 2008,	
850	A novel method for alignment of 3D models. 2008,	14
849	3D model retrieval based on exact visual similarity. 2008,	
848	Large-Scale Knowledge Resources. Construction and Application. 2008,	
847	A New 3D Model Retrieval Method with Building Blocks. 2009, 2009, 1-6	0
846	3D model retrieval based on visual shape and relevance feedback. 2009,	
845	Shape-Colour Histograms for matching 3D video sequences. 2009,	9
844	Retrieval of Time-Varying Mesh and motion capture data using 2D video queries based on silhouette shape descriptors. 2009,	8
843	. 2009,	9
842	Subspace-based techniques for retrieval of general 3D models. 2009,	
841	Classification of 3D models for the 3D animation environments. 2009,	3
840	3D model feature extraction method based on the projection of principle plane. 2009,	
839	Boosting 3D object retrieval by object flexibility. 2009,	2

838	Dense sampling and fast encoding for 3D model retrieval using bag-of-visual features. 2009,		65
837	Extraction of 3D Feature Descriptor Using the Distribution of Normal Vectors. 2009, 191-200		
836	3D Object Retrieval: Inter-Class vs. Intra-Class. 2009, 55-66		1
835	Alignment of 3D models. 2009, 71, 63-76		38
834	A 3D model retrieval approach using the interior and exterior 3D shape information. <i>Multimedia Tools and Applications</i> , 2009, 43, 45-62	2.5	23
833	Multi-Fourier spectra descriptor and augmentation with spectral clustering for 3D shape retrieval. 2009, 25, 785-804		33
832	Curvature-based anisotropic geodesic distance computation for parametric and implicit surfaces. 2009, 25, 743-755		5
831	Partial 3D Shape Retrieval by Reeb Pattern Unfolding. <i>Computer Graphics Forum</i> , 2009, 28, 41-55	2.4	59
830	3D object retrieval using the 3D shape impact descriptor. 2009, 42, 2447-2459		45
829	Shape-based clustering for 3D CAD objects: A comparative study of effectiveness. <i>CAD Computer Aided Design</i> , 2009, 41, 999-1007	2.9	19
828	Data-driven grasping with partial sensor data. 2009,		54
827	. 2009, 11, 611-623		125
826	Semantic Multimedia. 2009,		1
825	. 2009,		2
824	3D human pose search using oriented cylinders. 2009,		1
823	Towards a Universal, Quantifiable, and Scalable File Format Converter. 2009,		7
822	3D shape retrieval by visual parts similarity. 2009,		
821	. 2009, 11, 1422-1433		5

820	3D Object Classification by Fuzzy KNN and Bayesian Decision. 2009 ,		
819	A Compact Multi-view Descriptor for 3D Object Retrieval. 2009 ,		28
818	Feature based similarity search in simplified surface 3D model using interpolation method. 2009 ,		
817	. 2009 ,		44
816	3D model retrieval using probability density-based shape descriptors. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2009 , 31, 1117-33	13.3	70
815	A new shape descriptor using sliced image histogram for 3D model retrieval. 2009 , 55, 240-247		7
814	Investigating the Bag-of-Words Method for 3D Shape Retrieval. 2010 , 2010,		7
813	Shape-based search of mechanical CAD models for product data management. 2010 , 37, 125		3
812	A versatile framework for shape description. 2010 , 26, 1245-1256		3
811	3D articulated object retrieval using a graph-based representation. 2010 , 26, 1301-1319		29
810	Shape alignment and shape orientation analysis-based 3D shape retrieval system. <i>Multimedia Systems</i> , 2010 , 16, 319-333	2.2	6
809	A 3D search engine based on 3D curve analysis. 2010 , 4, 89-98		4
808	A 3D shape retrieval framework for 3D smart cities. 2010 , 4, 394-404		14
807	Shape-based indexing scheme for camera view invariant 3-D object retrieval. <i>Multimedia Tools and Applications</i> , 2010 , 47, 7-29	2.5	2
806	Thesaurus-based 3D Object Retrieval with Part-in-Whole Matching. 2010 , 89, 327-347		25
805	A 3D Shape Retrieval Framework Supporting Multimodal Queries. 2010 , 89, 229-247		132
804	Spherical Correlation of Visual Representations for 3D Model Retrieval. 2010 , 89, 193-210		27
803	PANORAMA: A 3D Shape Descriptor Based on Panoramic Views for Unsupervised 3D Object Retrieval. 2010 , 89, 177-192		142

802	Rectilinearity of 3D Meshes. 2010 , 89, 130-151			44
801	From 3D Point Clouds to Pose-Normalised Depth Maps. 2010 , 89, 152-176			31
800	Shape Similarity for 3D Video Sequences of People. 2010 , 89, 362-381			74
799	View-based 3D model retrieval with probabilistic graph model. 2010 , 73, 1900-1905			39
798	A new strategy combining empirical and analytical approaches for grasping unknown 3D objects. 2010 , 58, 497-507			34
797	Surface Area Distribution Descriptor for object matching. 2010 , 1, 233-241			3
796	3D object classification using salient point patterns with application to craniofacial research. 2010 , 43, 1502-1517			16
795	3D model comparison using spatial structure circular descriptor. 2010 , 43, 1142-1151			110
794	Statistical modeling and many-to-many matching for view-based 3D object retrieval. 2010 , 25, 18-27			13
793	Spectral Mesh Processing. <i>Computer Graphics Forum</i> , 2010 , 29, 1865-1894	2.4		122
792	A Shape Descriptor for 3D Objects Based on Rotational Symmetry. <i>Computer Graphics Forum</i> , 2010 , 29, 2328-2339	2.4		
791	Persistent Heat Signature for Pose-oblivious Matching of Incomplete Models. <i>Computer Graphics Forum</i> , 2010 , 29, 1545-1554	2.4		57
790	3D Similarity Search Using a Weighted Structural Histogram Representation. 2010 , 348-356			1
789	Content-Based 3D Model Retrieval. 2010 , 237-303			
788	Retrieval of 3D Models Based on Spherical Harmonics. 2010 ,			1
787	Retrieval of 3D models based on multi-instance. 2010 ,			
786	A Face-Based Shape Matching Method for IGES Surface Model. 2010 ,			1
785	3D object retrieval based on Bayesian networks lightfield descriptor and feedback learning. 2010 ,			0

784	Feature variation curve guided transfer function design for 3D medical image visualization. 2010,	0
783	Non-rigid 3D shape retrieval using Multidimensional Scaling and Bag-of-Features. 2010,	17
782	Retrieving 3D CAD models using 2D images with optimized weights. 2010,	4
781	View subspaces for indexing and retrieval of 3D models. 2010,	1
780	From 2D Silhouettes to 3D Object Retrieval: Contributions and Benchmarking. 2010, 2010, 1-17	11
779	An overview of view-based 2D/3D indexing methods. 2010,	4
778	Geodesic Connected Graph Representation of 3D Prismatic CAD Models. 2010,	
777	A framework for understanding file format conversions. 2010,	3
776	Representative views re-ranking for 3D model retrieval with multi-bipartite graph reinforcement model. 2010,	7
775	3D object retrieval with bag-of-region-words. 2010,	24
774	3D object search through semantic component. 2010,	0
773	Style-content separation by anisotropic part scales. 2010, 29, 1-10	70
772	Head and neck lymph node region delineation with image registration. 2010, 9, 30	12
771	Intelligent query. 2010,	9
770	. 2010,	2
769	An efficient method for 3D objects retrieval based on fixed number of 2D views approach. 2010,	1
768	An experimental evaluation of view-based 2D/3D indexing methods. 2010,	
767	Hybrid associative retrieval of three-dimensional models. 2010, 40, 1582-95	3

766	Visual Similarity Based 3D Shape Retrieval Using Bag-of-Features. 2010,	43
765	A 3D Model Retrieval System Based on the Cylindrical Projection Descriptor. 2010,	1
764	3D model retrieval from multiple photographic images. 2010,	0
763	3D model retrieval using distribution of interpolated normal vectors on simplified mesh. 2010,	
762	Detecting Shape Similarities in 3D Pottery Repositories. 2010,	1
761	A GPU Based 3D Object Retrieval Approach Using Spatial Shape Information. 2010,	4
760	. 2010, 12, 692-704	28
759	Temperature distribution descriptor for robust 3D shape retrieval. 2011,	16
758	The Multi-layer Spherical Helix Curve-Based 3-D Fourier Feature. 2011,	
757	Sill image object categorization using 2D models. 2011,	
756	3D Model Multiple Semantic Automatic Annotation for Small Scale Labeled Data Set. 2011,	1
755	Groupwise Pose Normalization for Craniofacial Applications. 2011, 2011, 248-255	
754	Hybrid methods for 3D models retrieval based on geometric ratios and statistical information. 2011	0
753	Projection of shape features for 3D model retrieval. 2011,	2
752	Characterizing structural relationships in scenes using graph kernels. 2011,	28
751	Multi-view 3D sense retrieval approach based on dynamic Bayesian networks. 2011,	
750	Characterizing Structure Through Shape Matching and Applications to Self-Assembly. 2011, 2, 263-285	52
749	An Effective Way of 3D Model Representation in Recognition System. 2011,	2

748	. 2011 , 13, 1007-1018		163
747	3D facial mesh detection using geometric saliency of surface. 2011 ,		
746	3D Object Retrieval Using a Global-Partial Analogy and the Bayesian Approach. 2011 ,		5
745	Spherical harmonics coefficients for ligand-based virtual screening of cyclooxygenase inhibitors. <i>PLoS ONE</i> , 2011 , 6, e21554	3-7	6
744	Design reusability assessment for effective CAD model retrieval and reuse. 2011 , 40, 3		7
743	3D model-based still image object categorization. 2011 ,		
742	Bag-of-Features Sampling Techniques for 3D CAD Model Retrieval. 2011 ,		
741	3D object retrieval based on a graph model descriptor. 2011 , 74, 3486-3493		13
740	A new algorithm for computing the 2-dimensional matching distance between size functions. <i>Pattern Recognition Letters</i> , 2011 , 32, 1735-1746	4-7	23
739	3D Shape description algorithms applied to the problem of model retrieval. 2011 , 1,		1
738	ModelSeek: an effective 3D model retrieval system. <i>Multimedia Tools and Applications</i> , 2011 , 51, 935-962.5		35
737	3D model alignment based on minimum projection area. 2011 , 27, 565-574		13
736	Spectral feature selection for shape characterization and classification. 2011 , 27, 1005-1019		13
735	Data-driven approach for automatic orientation of 3D shapes. 2011 , 27, 977-989		7
734	3D pottery shape matching using depth map images. 2011 , 12, 128-133		15
733	3D model retrieval using weighted bipartite graph matching. 2011 , 26, 39-47		81
732	Characterizing complex particle morphologies through shape matching: Descriptors, applications, and algorithms. 2011 , 230, 6438-6463		56
731	Geometric models with weighed topology. 2011 , 35, 542-548		

730	Measuring 3D shape similarity by graph-based matching of the medial scaffolds. 2011 , 115, 707-720	18
729	Matching 2D and 3D articulated shapes using the eccentricity transform. 2011 , 115, 817-834	24
728	3D shape retrieval by Poisson histogram. <i>Pattern Recognition Letters</i> , 2011 , 32, 787-794	4-7 13
727	3D object retrieval with semantic attributes. 2011 ,	3
726	Characterizing structural relationships in scenes using graph kernels. 2011 , 30, 1-12	95
725	STELA. 2011 ,	15
724	Lightweight Web3D modeling by finding and reusing repeated components. 2011 ,	
723	Shape google. 2011 , 30, 1-20	357
722	Non-rigid 3D shape classification using bag-of-feature techniques. 2011 ,	3
721	View-based 3D model retrieval using two-level spatial structure. 2011 ,	4
720	. 2011 ,	
719	Sill Image Object Categorization Using 2D Objects Models. 2011 ,	
718	A Three-Dimensional Shape Description Algorithm Based on Polar-Fourier Transform for 3D Model Retrieval. 2011 , 457-466	7
717	The Design of Image Database about Corrosion Damage of Aluminum Alloy. 2011 , 71-78, 1163-1167	
716	Using Depth Image in 3D Model Retrieval System. 2011 , 268-270, 981-987	1
715	Scene Retrieval Approach Based Dynamic Bayesian Networks. 2011 , 135-136, 873-878	
714	Similarity Assessment of Mechanical Parts Based on Integrated Product Information Model. 2011 , 11,	3
713	A Feature-Preserved Canonical Form for Non-rigid 3D Meshes. 2011 ,	7

712	Electric Appliance Parts Classification Using a Measure Combining the Whole Shape and Local Shape Distribution Similarities. 2011,	1
711	View-based 3D CAD model retrieval using local visual features. 2011,	
710	View-based 3D model retrieval with topological structure. 2011,	
709	Fusing visual and range imaging for object class recognition. 2011,	10
708	The effectiveness of ellipsoidal shape representation technique for 3D object recognition system. 2011,	1
707	AN EFFICIENT 3D MODEL RETRIEVAL BASED ON PRINCIPAL AXES ANALYSIS AND FEATURE INTEGRATION. 2011, 25, 583-604	3
706	Pose Normalization Based on Rotation Transformation. 2011, 464, 453-456	2
705	Fit and diverse. 2012, 31, 1-10	110
704	Computer Vision and Graphics. 2012,	2
703	Protrusion Fields for 3D Model Search and Retrieval Based on Range Image Queries. 2012, 610-619	2
702	Contour canonical form. 2012,	3
701	View-based 3D object retrieval by bipartite graph matching. 2012,	8
700	A probabilistic model for component-based shape synthesis. 2012, 31, 1-11	194
699	Model retrieval based on point cloud encoding of airborne lidar. 2012,	
698	3D CAD Model Retrieval Using 2D Representative Views. 2012,	2
697	3-D shape model retrieval using multi range image phase correlation method. 2012,	1
696	Sketch-based shape retrieval. 2012, 31, 1-10	95
695	Matching of Shapes Bound by Freeform Curves. 2012, 9, 133-146	1

694	3D model retrieval using 2D cepstral features. 2012,	1
693	Semantically interoperable three-dimensional scientific objects. 2012, 27, 33-55	
692	3-D object retrieval and recognition with hypergraph analysis. 2012, 21, 4290-303	439
691	Combination of bag-of-words descriptors for robust partial shape retrieval. 2012, 28, 931-942	78
690	Fast shape retrieval using a graph theoretic approach. 2012, 1, 239-248	2
689	. 2012,	0
688	Non-rigid 3D Model Retrieval Using Set of Local Statistical Features. 2012,	14
687	HSD: A 3D shape descriptor based on the Hilbert curve and a reduction dimensionality approach. 2012,	1
686	Material memex. 2012, 31, 1-8	23
685	3D Model Retrieval Method Based on Single View. 2012,	1
684	3D Shape Retrieval using characteristics level images. 2012,	1
683	3D model retrieval using the 2D Poisson equation. 2012,	2
682	Im-O-Ret: Immersive object retrieval. 2012,	1
681	3D model retrieval using linear prediction coding descriptor. 2012,	
680	References. 2012, 425-460	
679	A new convexity measurement for 3D meshes. 2012,	2
678	3D Shape Matching for Retrieval and Recognition. 2012, 265-308	1
677	Camera constraint-free view-based 3-D object retrieval. 2012, 21, 2269-81	193

676	k-Partite graph reinforcement and its application in multimedia information retrieval. 2012 , 194, 224-239		32
675	Shape-based retrieval and analysis of 3D models using fuzzy weighted symmetrical depth images. 2012 , 89, 114-121		10
674	Manifold-ranking based retrieval using k-regular nearest neighbor graph. 2012 , 45, 1569-1577		23
673	2D shape representation and similarity measurement for 3D recognition problems: An experimental analysis. <i>Pattern Recognition Letters</i> , 2012 , 33, 199-217	4.7	7
672	. 2012 , 5, 2-10		11
671	3D Material Style Transfer. <i>Computer Graphics Forum</i> , 2012 , 31, 431-438	2.4	6
670	3D model retrieval based on color + geometry signatures. 2012 , 28, 75-86		22
669	Reeb graph path dissimilarity for 3D object matching and retrieval. 2012 , 28, 305-318		30
668	3D object retrieval using salient views. 2013 , 2, 103-115		9
667	CM-BOF: visual similarity-based 3D shape retrieval using Clock Matching and Bag-of-Features. 2013 , 24, 1685-1704		27
666	Combining topological and view-based features for 3D model retrieval. <i>Multimedia Tools and Applications</i> , 2013 , 65, 335-361	2.5	10
665	Sketch-based 3D model retrieval by incorporating 2D-3D alignment. <i>Multimedia Tools and Applications</i> , 2013 , 65, 363-385	2.5	27
664	Extended cone-curvature based salient points detection and 3D model retrieval. <i>Multimedia Tools and Applications</i> , 2013 , 64, 671-693	2.5	3
663	3D model retrieval using hybrid features and class information. <i>Multimedia Tools and Applications</i> , 2013 , 62, 821-846	2.5	50
662	Information-theoretic selection of high-dimensional spectral features for structural recognition. 2013 , 117, 214-228		20
661	Proceedings of 2013 Chinese Intelligent Automation Conference. <i>Lecture Notes in Electrical Engineering</i> , 2013 ,	0.2	
660	A Probabilistic 3D Model Retrieval System Using Sphere Image. 2013 , 536-547		3
659	Relaxed lightweight assembly retrieval using vector space model. <i>CAD Computer Aided Design</i> , 2013 , 45, 739-750	2.9	30

658	Projective analysis for 3D shape segmentation. 2013 , 32, 1-12	35
657	3D Object Classification Based on Local Keywords and Hidden Markov Model. 2013 ,	1
656	A robust and isotropic curved surface representation for 3D faces description. 2013 ,	0
655	On 3D object retrieval benchmarking. 2013 , 4, 1	1
654	A Survey on Partial Retrieval of 3D Shapes. 2013 , 28, 836-851	48
653	Efficient view based 3-D object retrieval using Hidden Markov Model. 2013 , 4, 1	2
652	Retrieving 3D Model Using Compound-Eye Visual Representation. 2013 ,	1
651	Densely sampled local visual features on 3D mesh for retrieval. 2013 ,	1
650	Fault Tolerance Reconstruction for Multiple Moving Objects Using Reduced Camera Set. 2013 ,	
649	Compressing 3D Trees With Rendering Efficiency Based on Differential Data. 2013 , 15, 304-315	3
648	GBI-SA: GBI Feature with Subtle Adjustment for Robust Non-rigid 3D Shape Retrieval. 2013 ,	
647	Shape Retrieval for Khon 3D Model. 2013 ,	
646	View-based discriminative probabilistic modeling for 3D object retrieval and recognition. 2013 , 22, 1395-407	116
645	Combining color and shape descriptors for 3D model retrieval. 2013 , 28, 608-623	13
644	Perception-based shape retrieval for 3D building models. 2013 , 75, 76-91	14
643	A robust invariant bipolar representation for R ³ surfaces: applied to the face description. 2013 , 68, 219-230	6
642	A comparison of methods for non-rigid 3D shape retrieval. 2013 , 46, 449-461	117
641	Optimized hybrid shape descriptor-based 3D object retrieval. 2013 ,	

640	Learning Semantic Signatures for 3D Object Retrieval. 2013 , 15, 369-377		27
639	A Survey of 2D and 3D Shape Descriptors. 2013 ,		26
638	3D object retrieval via range image queries in a bag-of-visual-words context. 2013 , 29, 1351-1361		11
637	A parts-based approach for automatic 3D shape categorization using belief functions. 2013 , 4, 1-16		4
636	Attribit. 2013 ,		59
635	Fine-grained semi-supervised labeling of large shape collections. 2013 , 32, 1-10		47
634	Viewpoint information-theoretic measures for 3D shape similarity. 2013 ,		
633	Large Scale 3D Shape Retrieval Based on Multi-core Architectures. 2013 , 295-299		
632	Bibliography. 2013 , 303-333		0
631	3D Object Classification Using a Two-Dimensional Hidden Markov Model. 2013 , 411-414, 2041-2046		1
630	Training-Based Object Recognition in Cluttered 3D Point Clouds. 2013 ,		18
629	Sketch-to-Design: Context-Based Part Assembly. <i>Computer Graphics Forum</i> , 2013 , 32, 233-245	2.4	42
628	Dynamic Maps for Exploring and Browsing Shapes. <i>Computer Graphics Forum</i> , 2013 , 32, 187-196	2.4	11
627	User-Adaptive Sketch-Based 3-D CAD Model Retrieval. 2013 , 10, 783-795		33
626	Qualitative organization of collections of shapes via quartet analysis. 2013 , 32, 1-10		29
625	3D Model Retrieval. 2013 , 347-368		1
624	. 2013 ,		1
623	Mathematical Tools for Shape Analysis and Description. 2014 , 6, 1-138		10

622	3D model autotagging based on semi-supervised weighted metric learning. 2014,	
621	3D Model Retrieval Based on Three-Views Hand Drawn Sketches by Exploiting Contextual Similarity. 2014,	1
620	Deep learning representation using autoencoder for 3D shape retrieval. 2014,	22
619	GPU-Based for accelerating the BF-SIFT method for large scale 3D shape retrieval. 2014,	1
618	Partial 3d-object retrieval using level curves. 2014,	2
617	3D Shape Classification Using Information Fusion. 2014,	
616	. 2014, 16, 2154-2167	86
615	LPM. 2014,	5
614	. 2014, 16, 337-345	23
613	Three dimensional object retrieval using a skeleton-based approach. 2014,	
612	A Review on 3D Object Retrieval Methodologies Using a Part-Based Representation. 2014, 11, 670-684	9
611	A Survey of Sketch Based Modeling Systems. 2014,	6
610	Estimating image depth using shape collections. 2014, 33, 1-11	41
609	Efficient view-based 3-D object retrieval via hypergraph learning. 2014, 19, 250-256	9
608	Sketch2Jewelry: Semantic feature modeling for sketch-based jewelry design. 2014, 38, 69-77	9
607	3D model retrieval and classification by semi-supervised learning with content-based similarity. 2014, 281, 703-713	39
606	3D model retrieval using Bag-of-View-Words. <i>Multimedia Tools and Applications</i> , 2014, 72, 2701-2722	2.5 3
605	Evidence-based SVM fusion for 3D model retrieval. <i>Multimedia Tools and Applications</i> , 2014, 72, 1731-1749	3

604	Symmetry discovery and retrieval of nonrigid 3D shapes using geodesic skeleton paths. <i>Multimedia Tools and Applications</i> , 2014 , 72, 1027-1047	2.5	9
603	Retrieval of high-dimensional visual data: current state, trends and challenges ahead. <i>Multimedia Tools and Applications</i> , 2014 , 69, 539-567	2.5	6
602	Erratum to: A novel 3D model retrieval approach using combined shape distribution. <i>Multimedia Tools and Applications</i> , 2014 , 71, 2029-2045	2.5	
601	A novel 3D model retrieval approach using combined shape distribution. <i>Multimedia Tools and Applications</i> , 2014 , 69, 799-818	2.5	15
600	A deep learning approach to the classification of 3D CAD models. 2014 , 15, 91-106		31
599	. 2014 , 61, 2088-2098		157
598	Learning-based bipartite graph matching for view-based 3D model retrieval. 2014 , 23, 4553-63		20
597	View-Based 3D Object Retrieval: Challenges and Approaches. 2014 , 21, 52-57		68
596	. 2014 , 16, 1369-1376		3
595	Shape vocabulary: a robust and efficient shape representation for shape matching. 2014 , 23, 3935-49		69
594	Voxel-encoded descriptor for 3D model retrieval by exploring model's spatial information. 2014 , 28, 2459-2467		
593	Pose normalization of 3D models via reflective symmetry on panoramic views. 2014 , 30, 1261-1274		7
592	AB3D: action-based 3D descriptor for shape analysis. 2014 , 30, 591-601		2
591	A new sketch-based 3D model retrieval approach by using global and local features. 2014 , 76, 128-139		16
590	Learning Cross-Media Joint Representation With Sparse and Semisupervised Regularization. 2014 , 24, 965-978		144
589	3DHOG for geometric similarity measurement and retrieval for digital cultural heritage archives. 2015 ,		0
588	Boosting 3D model retrieval with class vocabularies and distance vector revision. 2015 ,		1
587	A novel sketch-based 3D model retrieval method by integrating skeleton graph and contour feature. 2015 , 9, JAMDSM0049-JAMDSM0049		4

586 References. 274-281

- 585 3D-Assisted Feature Synthesis for Novel Views of an Object. **2015**, 22
- 584 A novel stereo-model retrieval method in manufacturing. **2015**, 229, 189-198
- 583 A new representation for 3D objects: Binary matrix. **2015**, 1
- 582 3D shape retrieval using viewpoint information-theoretic measures. **2015**, 26, 147-156 3
- 581 3D ShapeNets: A deep representation for volumetric shapes. **2015**, 112
- 580 Interaction context (ICON). **2015**, 34, 1-12 37
- 579 Projective Feature Learning for 3D Shapes with Multi-View Depth Images. *Computer Graphics Forum*, **2015**, 34, 1-11 2.4 40
- 578 Elements of style. **2015**, 34, 1-14 47
- 577 Matching 3D CAD Assembly Models with Different Layouts of Components Using Projections. **2015**, E98.D, 1247-1250 2
- 576 Underwater Photogrammetry and Object Modeling: A Case Study of Xlendi Wreck in Malta. **2015**, 15, 30351-84 37
- 575 Feature fusion for 3D model retrieval based on fuzzy clustering. **2015**,
- 574 A New Efficient Optimal 2D Views Selection Method Based on Pivot Selection Techniques for 3D Indexing and Retrieval. *Information (Switzerland)*, **2015**, 6, 679-692 2.6 0
- 573 View Representation. **2015**, 67-83 0
- 572 Euclidean-distance-based canonical forms for non-rigid 3D shape retrieval. **2015**, 48, 2500-2512 18
- 571 A new fast method for 3D indexing and retrieval based on mapping techniques. **2015**,
- 570 Active Exploration of Large 3D Model Repositories. **2015**, 21, 1390-402 11
- 569 A 3D model feature extraction method using curvature-based shape distribution. **2015**, 4

568	Fast and Robust Multi-view 3D Object Recognition in Point Clouds. 2015 ,		9
567	Multi-view Convolutional Neural Networks for 3D Shape Recognition. 2015 ,		1020
566	Deepshape: Deep learned shape descriptor for 3D shape matching and retrieval. 2015 ,		5
565	A 3D Shape Descriptor Based on Depth Complexity and Thickness Histograms. 2015 ,		4
564	3D object retrieval with multitopic model combining relevance feedback and LDA model. 2015 , 24, 94-105		36
563	View Extraction. 2015 , 41-50		
562	Learning view-model joint relevance for 3D object retrieval. 2015 , 24, 1449-59		37
561	Automated 3d feature matching. 2015 , 30, 8-29		3
560	Graph-based characteristic view set extraction and matching for 3D model retrieval. 2015 , 320, 429-442		54
559	Neural shape codes for 3D model retrieval. <i>Pattern Recognition Letters</i> , 2015 , 65, 15-21	4.7	22
558	Iterative 3D shape classification by online metric learning. 2015 , 35-36, 192-205		8
557	Introduction. 2015 , 3-16		1
556	3D Shape Matching via Two Layer Coding. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2015 , 37, 2361-73	13.3	62
555	DeepPano: Deep Panoramic Representation for 3-D Shape Recognition. 2015 , 22, 2339-2343		222
554	3D Objects Feature Extraction and Its Applications: A Survey. 2015 , 3-18		
553	Joint embeddings of shapes and images via CNN image purification. 2015 , 34, 1-12		77
552	SHED. 2015 , 34, 1-11		17
551	. 2015 , 17, 1591-1603		47

550	Efficient semi-supervised multiple feature fusion with out-of-sample extension for 3D model retrieval. 2015 , 169, 23-33			3
549	A powerful 3D model classification mechanism based on fusing multi-graph. 2015 , 168, 761-769			8
548	3-D object retrieval using topic model. <i>Multimedia Tools and Applications</i> , 2015 , 74, 7859-7881	2.5		8
547	View-based 3D object retrieval via multi-modal graph learning. 2015 , 112, 110-118			67
546	3D object retrieval with stacked local convolutional autoencoder. 2015 , 112, 119-128			64
545	Hypergraph based feature fusion for 3-D object retrieval. 2015 , 151, 612-619			8
544	A 3D model recognition mechanism based on deep Boltzmann machines. 2015 , 151, 593-602			45
543	3D Model Retrieval with Weighted Locality-constrained Group Sparse Coding. 2015 , 151, 620-625			23
542	3D CAD model retrieval based on the combination of features. <i>Multimedia Tools and Applications</i> , 2015 , 74, 4907-4925	2.5		10
541	User-drawn sketch-based 3D object retrieval using sparse coding. <i>Multimedia Tools and Applications</i> , 2015 , 74, 4707-4722	2.5		3
540	Joint utilization of local appearance and geometric invariants for 3D object recognition. <i>Multimedia Tools and Applications</i> , 2015 , 74, 2611-2637	2.5		3
539	A comparison of 3D shape retrieval methods based on a large-scale benchmark supporting multimodal queries. 2015 , 131, 1-27			75
538	Locality-constrained sparse patch coding for 3D shape retrieval. 2015 , 151, 583-592			10
537	Indirect shape analysis for 3D shape retrieval. 2015 , 46, 110-116			10
536	Partial matching of 3D cultural heritage objects using panoramic views. <i>Multimedia Tools and Applications</i> , 2016 , 75, 3693-3707	2.5		17
535	A Novel Medical Freehand Sketch 3D Model Retrieval Method by Dimensionality Reduction and Feature Vector Transformation. 2015 , 2015, 4738391			
534	Fast accessing Web3D contents using lightweight progressive meshes. 2016 , 27, 466-483			7
533	A novel efficient 3D object retrieval method based on representative slices. 2016 ,			

532	Style-sensitive 3D model retrieval through sketch-based queries. 2016 , 31, 2637-2644	7
531	Volumetric and Multi-view CNNs for Object Classification on 3D Data. 2016 ,	577
530	Data-driven shape analysis and processing. 2016 ,	39
529	Modeling 2D Appearance Evolution for 3D Object Categorization. 2016 ,	7
528	GIFT: A Real-Time and Scalable 3D Shape Search Engine. 2016 ,	131
527	Structure-oriented networks of shape collections. 2016 , 35, 1-14	15
526	A scalable active framework for region annotation in 3D shape collections. 2016 , 35, 1-12	322
525	Detecting Similarities of Rational Space Curves. 2016 ,	
524	Coarse integral holography approach for real 3D color video displays. 2016 , 24, 6705-18	15
523	Multi-Modal Clique-Graph Matching for View-Based 3D Model Retrieval. 2016 , 25, 2103-16	105
522	Deep Learning Representation using Autoencoder for 3D Shape Retrieval. 2016 , 204, 41-50	80
521	Heterogenous Spatial Data: Fusion, Modeling, and Analysis for GIS Applications. 2016 , 8, 1-155	3
520	An assembly retrieval approach based on shape distributions and Earth Mover's Distance. 2016 , 86, 2635-2651	14
519	Deformable 3d shape retrieval using a spectral geometric descriptor. 2016 , 45, 213-229	8
518	Recognition of 3D Objects Using Heat Diffusion Equations and Random Forests. 2016 ,	1
517	Joint shape and color descriptors for 3D urban model retrieval. 2016 , 9, 1117-1134	
516	3D model classification via Principal Thickness Images. <i>CAD Computer Aided Design</i> , 2016 , 78, 199-208	2.9 7
515	Unsupervised 3D Local Feature Learning by Circle Convolutional Restricted Boltzmann Machine. 2016 , 25, 5331-5344	31

514	3D model retrieval by sample based alignment. 2016 , 40, 721-731	0
513	A novel approach for 3D model recognition based on SSCD. 2016 ,	1
512	Deep Learning 3D Shape Surfaces Using Geometry Images. 2016 , 223-240	94
511	Multi-View 3D Object Retrieval With Deep Embedding Network. 2016 , 25, 5526-5537	56
510	Learning how objects function via co-analysis of interactions. 2016 , 35, 1-13	34
509	Multi-View Object Retrieval via Multi-Scale Topic Models. 2016 , 25, 5814-5827	88
508	3D body scans retrieval based on intersection views. 2016 ,	
507	3D Model Retrieval Based on Fuzzy Correspondences and Hybrid Shape Features. 2016 ,	
506	Learning a human-perceived softness measure of virtual 3D objects. 2016 ,	2
505	Detail-Preserving Mesh Unfolding for Nonrigid Shape Retrieval. 2016 , 35, 1-11	7
504	Integrated model/scene construction through context-based search, data-driven suggestion and component replacement. <i>Multimedia Tools and Applications</i> , 2016 , 75, 11555-11576	2.5
503	Multi-scale object retrieval via learning on graph from multimodal data. 2016 , 207, 684-692	3
502	3D shape retrieval using a single depth image from low-cost sensors. 2016 ,	6
501	Skeleton-based canonical forms for non-rigid 3D shape retrieval. 2016 , 2, 231-243	11
500	3D model retrieval scheme based on fuzzy clustering for physical descriptors. 2016 , 10, 12-22	0
499	A Three-Layered Graph-Based Learning Approach for Remote Sensing Image Retrieval. 2016 , 54, 6020-6034	61
498	Recent Trends, Applications, and Perspectives in 3D Shape Similarity Assessment. <i>Computer Graphics Forum</i> , 2016 , 35, 87-119	2.4 62
497	Evaluation of Different Features for Matching Point Clouds to Building Information Models. 2016 , 30, 04014107	11

496	Comparison of 3D local and global descriptors for similarity retrieval of range data. 2016 , 184, 13-27		1
495	Assembly-based conceptual 3D modeling with unlabeled components using probabilistic factor graph. <i>CAD Computer Aided Design</i> , 2016 , 74, 45-54	2.9	21
494	Volumetric shape contexts for mesh co-segmentation. 2016 , 43, 159-171		4
493	Human-Centered Saliency Detection. 2016 , 27, 1150-62		9
492	A 3D shape descriptor based on spherical harmonics through evolutionary optimization. 2016 , 194, 183-191		5
491	3D object retrieval based on sparse coding in weak supervision. 2016 , 37, 40-45		25
490	Deep Learning Guided Partitioned Shape Model for Anterior Visual Pathway Segmentation. 2016 , 35, 1856-65		38
489	3D object retrieval with multi-feature collaboration and bipartite graph matching. 2016 , 195, 40-49		21
488	Sparse Contextual Activation for Efficient Visual Re-Ranking. 2016 , 25, 1056-69		95
487	CoSPAIR: Colored Histograms of Spatial Concentric Surflet-Pairs for 3D object recognition. 2016 , 75, 558-570		11
486	Similarity Search of Flexible 3D Molecules Combining Local and Global Shape Descriptors. 2016 , 13, 954-970		8
485	An efficient and effective convolutional auto-encoder extreme learning machine network for 3d feature learning. 2016 , 174, 988-998		66
484	3D object understanding with 3D Convolutional Neural Networks. 2016 , 366, 188-201		35
483	Fast view-based 3D model retrieval via unsupervised multiple feature fusion and online projection learning. 2016 , 120, 702-713		4
482	Semi-Supervised Cross-Media Feature Learning With Unified Patch Graph Regularization. 2016 , 26, 583-596		88
481	3D Object retrieval based on viewpoint segmentation. <i>Multimedia Systems</i> , 2017 , 23, 19-28	2.2	5
480	2D and 3D shape retrieval using skeleton filling rate. <i>Multimedia Tools and Applications</i> , 2017 , 76, 7823-7848		9
479	Convolutional deep learning for 3D object retrieval. <i>Multimedia Systems</i> , 2017 , 23, 325-332	2.2	20

478	Comparative analysis of shape descriptors for 3D objects. <i>Multimedia Tools and Applications</i> , 2017 , 76, 6993-7040	2.5	20
477	3D object retrieval based on Spatial+LDA model. <i>Multimedia Tools and Applications</i> , 2017 , 76, 4091-4104	2.5	6
476	A method of 3D CAD model retrieval based on spatial bag of words. <i>Multimedia Tools and Applications</i> , 2017 , 76, 8145-8173	2.5	6
475	Mesh Convolutional Restricted Boltzmann Machines for Unsupervised Learning of Features With Structure Preservation on 3-D Meshes. 2017 , 28, 2268-2281		34
474	Data-Driven Shape Analysis and Processing. <i>Computer Graphics Forum</i> , 2017 , 36, 101-132	2.4	25
473	Progressive Shape-Distribution-Encoder for Learning 3D Shape Representation. 2017 , 26, 1231-1242		11
472	3D object retrieval based on multi-view convolutional neural networks. <i>Multimedia Tools and Applications</i> , 2017 , 76, 20111-20124	2.5	3
471	. 2017 , 19, 1257-1271		55
470	Retrieval on Parametric Shape Collections. 2017 , 36, 1-14		6
469	Probabilistic Factor Graph Based Approach for Automatic Material Assignments to Three-Dimensional Objects. 2017 , 139,		
468	A machine learning pipeline for automated registration and classification of 3D lidar data. 2017 ,		1
467	Category-Specific Salient View Selection via Deep Convolutional Neural Networks. <i>Computer Graphics Forum</i> , 2017 , 36, 313-328	2.4	6
466	. 2017 , 19, 2463-2474		34
465	Design, analysis and application of a volumetric convolutional neural network. 2017 , 46, 128-138		2
464	Deep Learning Advances in Computer Vision with 3D Data. 2017 , 50, 1-38		135
463	Learned 3D shape descriptors for classifying 3D point cloud models. 2017 , 14, 507-515		3
462	Sparse representation-based 3D model retrieval. <i>Multimedia Tools and Applications</i> , 2017 , 76, 20069-20079	2.5	2
461	Overview on 3D models searching and indexing. 2017 ,		

460	Invariant local shape descriptors. 2017 ,		0
459	Unsupervised 3D object retrieval with parameter-free hierarchical clustering. 2017 ,		0
458	3D model retrieval using 2D cepstral descriptor of overlapping subbands. 2017 ,		1
457	Deformation-driven shape correspondence via shape recognition. 2017 , 36, 1-12		9
456	Super-vector coding features extracted from both depth buffer and view-normal-angle images for part-based 3D shape retrieval. <i>Multimedia Tools and Applications</i> , 2017 , 76, 22059-22076	2.5	1
455	An advanced global point signature for 3D shape recognition and retrieval. 2017 , 58, 228-239		7
454	Deep semantic hashing of 3D geometric features for efficient 3D model retrieval. 2017 ,		2
453	A unified framework for cross-modality 3D model retrieval. <i>Multimedia Tools and Applications</i> , 2017 , 76, 20217-20230	2.5	1
452	A Metric Learning Method for Image-based 3D Shape Retrieval. 2017 ,		1
451	Understanding and Exploiting Object Interaction Landscapes. 2017 , 36, 1-14		17
450	Effective Fisher vector aggregation for 3D object retrieval. 2017 ,		0
449	. 2017 ,		2
448	A feature extraction and similarity metric-learning framework for urban model retrieval. 2017 , 31, 1749-1769		1
447	A LINE-MOD-based markerless tracking approach for AR applications. 2017 , 89, 1699-1707		17
446	DeepShape: Deep-Learned Shape Descriptor for 3D Shape Retrieval. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2017 , 39, 1335-1345	13.3	74
445	ASIST: Automatic semantically invariant scene transformation. 2017 , 157, 284-299		4
444	Sliced voxel representations with LSTM and CNN for 3D shape recognition. 2017 ,		1
443	PointNet: Deep Learning on Point Sets for 3D Classification and Segmentation. 2017 ,		739

442	3D shape descriptor for objects recognition. 2017,		2
441	Shape Matching between Printed 3D Model and Digital 3D Model based on 2D views and Zernike Moments. 2017,		
440	A Matching Method for 3D CAD Models with Different Assembly Structures Using Projections of Weighted Components. 2017, 25, 376-385		2
439	Ensemble Diffusion for Retrieval. 2017,		49
438	Multi-Feature Registration of Point Clouds. 2017, 9, 281		11
437	A 2D-View Depth Image- and CNN-Based 3D Model Identification Method. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 988	2.6	2
436	Consistent Roof Geometry Encoding for 3D Building Model Retrieval Using Airborne LiDAR Point Clouds. 2017, 6, 269		2
435	A Novel 3D CAD Model Retrieval Method Based on Vertices Classification and Weights Combination Optimization. 2017, 2017, 1-12		3
434	Early versus Late Dimensionality Reduction of Bag-of-Words Feature Representation for Image Classification. 2017,		
433	. 2017,		20
432	3D shape representation with spatial probabilistic distribution of intrinsic shape keypoints. 2017, 2017,		5
431	Multi-scale CNNs for 3D model retrieval. <i>Multimedia Tools and Applications</i> , 2018, 77, 22953-22963	2.5	3
430	Classification of multiple sclerosis and non-specific white matter lesions using spherical harmonics descriptors. 2018,		
429	View-based 3D model retrieval via supervised multi-view feature learning. <i>Multimedia Tools and Applications</i> , 2018, 77, 3229-3243	2.5	2
428	Off-the-shelf CNN features for 3D object retrieval. <i>Multimedia Tools and Applications</i> , 2018, 77, 19833-19849	2.5	2
427	Cross-media retrieval based on semi-supervised regularization and correlation learning. <i>Multimedia Tools and Applications</i> , 2018, 77, 22455-22473	2.5	1
426	Semi-Supervised Co-Analysis of 3D Shape Styles from Projected Lines. 2018, 37, 1-17		3
425	Deep Correlated Holistic Metric Learning for Sketch-Based 3D Shape Retrieval. 2018, 27, 3374-3386		30

424	View-wised discriminative ranking for 3D object retrieval. <i>Multimedia Tools and Applications</i> , 2018 , 77, 22035-22049	2.5	1
423	Deep Nonlinear Metric Learning for 3-D Shape Retrieval. <i>IEEE Transactions on Cybernetics</i> , 2018 , 48, 412-422		16
422	3D model retrieval using constructive-learning for cross-model correlation. 2018 , 275, 1-9		5
421	Geometric and Textural Blending for 3D Model Stylization. 2018 , 24, 1114-1126		2
420	A new sketch-based 3D model retrieval method by using composite features. <i>Multimedia Tools and Applications</i> , 2018 , 77, 2921-2944	2.5	14
419	. 2018 , 20, 119-127		11
418	Joint analysis of shapes and images via deep domain adaptation. 2018 , 70, 140-147		4
417	View-Based 3D Model Retrieval via Multi-graph Matching. 2018 , 48, 1395-1404		1
416	Retrieving indoor objects: 2D-3D alignment using single image and interactive ROI-based refinement. 2018 , 70, 108-117		1
415	Ensemble of PANORAMA-based convolutional neural networks for 3D model classification and retrieval. 2018 , 71, 208-218		61
414	Learning Local Shape Descriptors from Part Correspondences with Multiview Convolutional Networks. 2018 , 37, 1-14		54
413	3D model retrieval via single image based on feature mapping. <i>Multimedia Tools and Applications</i> , 2018 , 77, 22051-22069	2.5	1
412	Similarity detection of rational space curves. 2018 , 85, 4-24		10
411	3D Shape Retrieval using Volumetric and Image CNNs: A Meta-Algorithmic Approach. 2018 , 2018, 419-1-419-6		
410	FoldingNet: Point Cloud Auto-Encoder via Deep Grid Deformation. 2018 ,		263
409	RotationNet: Joint Object Categorization and Pose Estimation Using Multiviews from Unsupervised Viewpoints. 2018 ,		146
408	Pointwise Convolutional Neural Networks. 2018 ,		142
407	GVCNN: Group-View Convolutional Neural Networks for 3D Shape Recognition. 2018 ,		154

406	EMNets. 2018,	3
405	Sketch-Based 3D Model Retrieval Using Attributes. 2018, 10, 60-75	1
404	VisDA: A Synthetic-to-Real Benchmark for Visual Domain Adaptation. 2018,	37
403	Pixels, Voxels, and Views: A Study of Shape Representations for Single View 3D Object Shape Prediction. 2018,	40
402	Attentional ShapeContextNet for Point Cloud Recognition. 2018,	78
401	3D Model Retrieval Based on Vision Feature Fusion. 2018,	
400	PANORAMA-Based Multi-Scale and Multi-Channel CNN for 3D Model Retrieval. 2018,	1
399	Learning a Hierarchical Latent-Variable Model of 3D Shapes. 2018,	22
398	Automated shape-based clustering of 3D immunoglobulin protein structures in chronic lymphocytic leukemia. 2018, 19, 414	7
397	PVNet. 2018,	58
396	Multi-view Fusion with Deep Learning for 3D Shape Classification. 2018,	1
395	References. 2018, 303-336	
394	Image-based 3D model retrieval using manifold learning. 2018, 19, 1397-1408	6
393	Image-Based 3D Model Retrieval for Indoor Scenes by Simulating Scene Context. 2018,	3
392	Assembly-Based 3D Modeling Using Graph Convolutional Neural Networks. 2018, 326-337	
391	Sketch-based Cloud Model Retrieval for Cumulus Cloud Scene Construction. 2018,	0
390	VESPER: Visual Exploration of Similarity and Performance Metrics for Computer-Aided Design Repositories. 2018,	4
389	Discovering Correspondence Among Image Sets with Projection View Preservation For 3D Object Detection in Point Clouds. 2018,	2

388	Cross Diffusion on Multi-hypergraph for Multi-modal 3D Object Recognition. 2018 , 38-49	1
387	3D object recognition based on pairwise Multi-view Convolutional Neural Networks. 2018 , 56, 305-315	21
386	Octree-based Convolutional Autoencoder Extreme Learning Machine for 3D Shape Classification. 2018 ,	2
385	3D Point Cloud Recognition Based on a Multi-View Convolutional Neural Network. 2018 , 18,	16
384	Multi-View CNN Feature Aggregation with ELM Auto-Encoder for 3D Shape Recognition. 2018 , 10, 908-921	24
383	An Improved 3D Shape Recognition Method Based on Panoramic View. 2018 , 2018, 1-11	3
382	An Interactive Content-Based 3D Shape Retrieval System for on-Site Cultural Heritage Analysis. 2018 ,	0
381	Multi-model induced network for participatory-sensing-based classification tasks in intelligent and connected transportation systems. 2018 , 141, 157-165	3
380	Research progresses and trends of content based 3D model retrieval. 2018 ,	2
379	Inductive Multi-Hypergraph Learning and Its Application on View-Based 3D Object Classification. 2018 , 27, 5957-5968	49
378	Improving context-sensitive similarity via smooth neighborhood for object retrieval. 2018 , 83, 353-364	10
377	Class-sensitive shape dissimilarity metric. 2018 , 98, 33-42	1
376	Scale-aware black-and-white abstraction of 3D shapes. 2018 , 37, 1-11	3
375	A Comparative 3D Visualization Tool for Observation of Mode Water. 2018 ,	2
374	Scale-Invariant Wave Kernel Signature for Non-Rigid 3D Shape Retrieval. 2018 ,	3
373	Fast and robust shape diameter function. <i>PLoS ONE</i> , 2018 , 13, e0190666	3-7 1
372	Efficient 3D Object Retrieval Based on Compact Views and Hamming Embedding. 2018 , 6, 31854-31861	2
371	Automatic Ensemble Diffusion for 3D Shape and Image Retrieval. 2019 , 28, 88-101	13

370	3D Object Retrieval Based on Multi-View Latent Variable Model. 2019 , 29, 868-880	22
369	Multi-View 3D Object Retrieval using Autoencoder & Deep Embedding Network. 2019 ,	0
368	Unsupervised Feature Learning With Graph Embedding for View-Based 3D Model Retrieval. 2019 , 7, 95285-95296	9
367	. 2019 , 21, 3164-3177	9
366	Feature set aggregator: unsupervised representation learning of sets for their comparison. <i>Multimedia Tools and Applications</i> , 2019 , 78, 35157-35178	2.5
365	Learning spectral normalized adversarial systems with stacked structure for high-quality 3D object generation. 2019 , 33, e5430	0
364	Multimodal Multimedia Retrieval with vitrivr. 2019 ,	17
363	Scalable Deep Multimodal Learning for Cross-Modal Retrieval. 2019 ,	28
362	3D Volumetric Modeling with Introspective Neural Networks. 2019 , 33, 8481-8488	7
361	Fast encryption scheme for 3D models based on chaos system. <i>Multimedia Tools and Applications</i> , 2019 , 78, 33865-33884	2.5 6
360	Atomic layer deposition: Catalytic preparation and modification technique for the next generation. 2019 , 40, 1311-1323	12
359	Pointwise geometric and semantic learning network on 3D point clouds. 2019 , 27, 57-75	17
358	A Deep Learning Method for 3D Object Classification Using the Wave Kernel Signature and A Center Point of the 3D-Triangle Mesh. 2019 , 8, 1196	1
357	. 2019 , 7, 118630-118638	4
356	Skeleton-Based 3D Object Retrieval Using Retina-Like Feature Descriptor. 2019 , 7, 157341-157352	
355	Multi-View Hierarchical Fusion Network for 3D Object Retrieval and Classification. 2019 , 7, 153021-153030	9
354	Cognitive-inspired class-statistic matching with triple-constrain for camera free 3D object retrieval. 2019 , 94, 641-653	53
353	Dual-level Embedding Alignment Network for 2D Image-Based 3D Object Retrieval. 2019 ,	9

352	DeepCCFV: Camera Constraint-Free Multi-View Convolutional Neural Network for 3D Object Retrieval. 2019 , 33, 8505-8512		2
351	Deformable 3D Shape Classification Using 3D Racah Moments and Deep Neural Networks. 2019 , 148, 12-20		5
350	MVPN: Multi-View Prototype Network for 3D Shape Recognition. 2019 , 7, 130363-130372		
349	MLVCNN: Multi-Loop-View Convolutional Neural Network for 3D Shape Retrieval. 2019 , 33, 8513-8520		35
348	Hypergraph Neural Networks. 2019 , 33, 3558-3565		141
347	Context-adaptive navigation of 3D model collections. 2019 , 79, 1-13		1
346	Learning to group and label fine-grained shape components. 2019 , 37, 1-14		4
345	3D Object Classification using 3D Racah Moments Convolutional Neural Networks. 2019 ,		4
344	. 2019 , 7, 68892-68904		12
343	An Effective Encoding Method Based on Local Information for 3D Point Cloud Classification. 2019 , 7, 39369-39377		3
342	Stylistic scene enhancement GAN: mixed stylistic enhancement generation for 3D indoor scenes. 2019 , 35, 1157-1169		10
341	A Survey of 3D Indoor Scene Synthesis. 2019 , 34, 594-608		14
340	Consistent segment-wise matching with multi-layer graphs. 2019 , 70, 31-45		
339	Subassembly Retrieval of 3D CAD Assembly Models with Different Layout of Components Based on Sinogram. 2019 , E102.D, 777-787		2
338	Content-based CAD assembly model retrieval: Survey and future challenges. <i>CAD Computer Aided Design</i> , 2019 , 113, 62-81	2.9	11
337	Sketch-based Retrieval and Instantiation of Parametric Parts. <i>CAD Computer Aided Design</i> , 2019 , 113, 82-95	2.9	5
336	A dimensional reduction guiding deep learning architecture for 3D shape retrieval. 2019 , 81, 82-91		3
335	A bilateral symmetry based pose normalization framework applied to livestock body measurement in point clouds. 2019 , 160, 59-70		12

334	3D2SeqViews: Aggregating Sequential Views for 3D Global Feature Learning by CNN With Hierarchical Attention Aggregation. 2019 , 28, 3986-3999		55
333	Panorama based on multi-channel-attention CNN for 3D model recognition. <i>Multimedia Systems</i> , 2019 , 25, 655-662	2.2	3
332	New graph distance for deformable 3D objects recognition based on triangle-stars decomposition. 2019 , 90, 297-307		4
331	Unsupervised Multi-Task Feature Learning on Point Clouds. 2019 ,		35
330	Deep Learning for 3D Classification Based on Point Cloud with Local Structure. 2019 ,		
329	Semi-Supervised Generative Adversarial Model for 3D Recognition. 2019 ,		
328	Enhancing 2D Representation via Adjacent Views for 3D Shape Retrieval. 2019 ,		6
327	MeshNet: Mesh Neural Network for 3D Shape Representation. 2019 , 33, 8279-8286		48
326	Performance Evaluation of 3D Keypoint Detectors and Descriptors for Plants Health Classification. 2019 ,		5
325	. 2019 ,		5
324	Active 3D Classification of Multiple Objects in Cluttered Scenes. 2019 ,		3
323	Learning Relationships for Multi-View 3D Object Recognition. 2019 ,		31
322	View N-Gram Network for 3D Object Retrieval. 2019 ,		17
321	What Do Single-View 3D Reconstruction Networks Learn?. 2019 ,		85
320	. 2019 ,		262
319	. 2019 ,		333
318	. 2019 ,		16
317	An Offline Coarse-To-Fine Precision Optimization Algorithm for 3D Laser SLAM Point Cloud. 2019 , 11, 2352		3

316	PointFlow: 3D Point Cloud Generation With Continuous Normalizing Flows. 2019 ,	95
315	. 2019 ,	42
314	Structural Relational Reasoning of Point Clouds. 2019 ,	30
313	Deep Learning in Object Detection and Recognition. 2019 ,	12
312	Cohort-based T-SSIM Visual Computing for Radiation Therapy Prediction and Exploration. 2020 , 26, 949-959	9
311	Hybrid Physics-Based and Data-Driven Approach to Estimate the Radar Cross-Section of Vehicles. 2019 ,	5
310	MMJN: Multi-Modal Joint Networks for 3D Shape Recognition. 2019 ,	9
309	. 2019 ,	16
308	Sketch-based interaction and modeling: where do we stand?. 2019 , 33, 370-388	7
307	Query by Partially-Drawn Sketches for 3D Shape Retrieval. 2019 ,	1
306	Location Field Descriptors: Single Image 3D Model Retrieval in the Wild. 2019 ,	8
305	Unsupervised Feature Learning for Point Cloud Understanding by Contrasting and Clustering Using Graph Convolutional Neural Networks. 2019 ,	13
304	Learning Local Descriptors by Optimizing the Keypoint-Correspondence Criterion: Applications to Face Matching, Learning From Unlabeled Videos and 3D-Shape Retrieval. 2019 , 28, 279-290	5
303	Learning Discriminative 3D Shape Representations by View Discerning Networks. 2019 , 25, 2896-2909	6
302	VERAM: View-Enhanced Recurrent Attention Model for 3D Shape Classification. 2019 , 25, 3244-3257	22
301	SeqViews2SeqLabels: Learning 3D Global Features via Aggregating Sequential Views by RNN With Attention. 2019 , 28, 658-672	91
300	The assessment of 3D model representation for retrieval with CNN-RNN networks. <i>Multimedia Tools and Applications</i> , 2019 , 78, 16979-16994	2.5 9
299	Automatic unpaired shape deformation transfer. 2019 , 37, 1-15	24

298	. 2019 , 7, 3298-3313		3
297	Hypergraph-Induced Convolutional Networks for Visual Classification. 2019 , 30, 2963-2972		32
296	. 2019 , 21, 1169-1182		60
295	Improved Panoramic Representation via Bidirectional Recurrent View Aggregation for Three-Dimensional Model Retrieval. 2019 , 39, 65-76		
294	3D object retrieval with graph-based collaborative feature learning. 2019 , 58, 261-268		3
293	A methodology for part classification with supervised machine learning. 2019 , 33, 100-113		8
292	3D shape classification and retrieval based on polar view. 2019 , 474, 205-220		13
291	Multimedia integrated annotation based on common space learning. <i>Multimedia Tools and Applications</i> , 2019 , 78, 437-456	2.5	3
290	Unsupervised Learning of 3-D Local Features From Raw Voxels Based on a Novel Permutation Voxelization Strategy. <i>IEEE Transactions on Cybernetics</i> , 2019 , 49, 481-494	10.2	22
289	L 1-medial skeleton-based 3D point cloud model retrieval. <i>Multimedia Tools and Applications</i> , 2019 , 78, 479-488	2.5	2
288	3D indirect shape retrieval based on hand interaction. 2020 , 36, 5-17		
287	MHTN: Modal-Adversarial Hybrid Transfer Network for Cross-Modal Retrieval. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 1047-1059	10.2	44
286	Semi-supervised cross-modal common representation learning with vector-valued manifold regularization. <i>Pattern Recognition Letters</i> , 2020 , 130, 335-344	4.7	5
285	3D Objects Clouds: Viewing Virtual Objects in Interactive Clouds. 2020 , 26, 1442-1453		
284	. 2020 , 22, 1496-1506		24
283	Joint Heterogeneous Feature Learning and Distribution Alignment for 2D Image-Based 3D Object Retrieval. 2020 , 30, 3765-3776		9
282	3D Model classification based on few-shot learning. 2020 , 398, 539-546		4
281	. 2020 , 30, 2709-2722		3

280	. 2020, 22, 174-187		38
279	3D Model Retrieval Using Bipartite Graph Matching Based on Attention. 2020, 52, 1043-1055		
278	A survey of traditional and deep learning-based feature descriptors for high dimensional data in computer vision. 2020, 9, 135-170		31
277	Using Synthetic Data and Deep Networks to Recognize Primitive Shapes for Object Grasping. 2020,		8
276	Semantic part segmentation of single-view point cloud. 2020, 63, 1		1
275	Computer aided design (CAD) model search and retrieval using frequency domain file conversion. 2020, 36, 101554		2
274	3D Object retrieval based on non-local graph neural networks. <i>Multimedia Tools and Applications</i> , 2020, 79, 34011-34027	2.5	1
273	Kullback-Leibler Divergence Metric Learning. <i>IEEE Transactions on Cybernetics</i> , 2020, PP,	10.2	6
272	PQ-NET: A Generative Part Seq2Seq Network for 3D Shapes. 2020,		20
271	. 2020,		57
270	Facial Expression Retargeting from Human to Avatar Made Easy. 2020, PP,		7
269	. 2020, 1-1		11
268	PointGrow: Autoregressively Learned Point Cloud Generation with Self-Attention. 2020,		26
267	An Efficient 3D Model Retrieval Method Based on Convolutional Neural Network. 2020, 2020, 1-14		1
266	An Improved Multi-View Convolutional Neural Network for 3D Object Retrieval. 2020, 29, 7917-7930		5
265	Blended Convolution and Synthesis for Efficient Discrimination of 3D Shapes. 2020,		2
264	Peak Your Frequency: Advanced Search of 3D CAD Files in the Fourier Domain. 2020, 8, 141481-141496		
263	Intelligent classification of point clouds for indoor components based on dimensionality reduction. 2020,		1

262	Hamming Embedding Sensitivity Guided Fusion Network for 3D Shape Representation. 2020 , PP,	1
261	Semantic and Context Information Fusion Network for View-Based 3D Model Classification and Retrieval. 2020 , 8, 155939-155950	3
260	Unsupervised Deep Shape Descriptor With Point Distribution Learning. 2020 ,	1
259	MVCLN: Multi-View Convolutional LSTM Network for Cross-Media 3D Shape Recognition. 2020 , 8, 139792-139802	0
258	3D Model Retrieval Based on a 3D Shape Knowledge Graph. 2020 , 8, 142632-142641	0
257	. 2020 , 8, 200812-200822	
256	Development of a neural network to recognize standards and features from 3D CAD models. 2020 , 93, 1429-1434	1
255	DCARN: Deep Context Aware Recurrent Neural Network for Semantic Segmentation of Large Scale Unstructured 3D Point Cloud. 2020 , 1	0
254	A Novel Point Cloud Encoding Method Based on Local Information for 3D Classification and Segmentation. 2020 , 20,	6
253	Cross-domain retrieving sketch and shape using cycle CNNs. 2020 , 89, 50-58	1
252	Multiple Discrimination and Pairwise CNN for view-based 3D object retrieval. 2020 , 125, 290-302	47
251	Real-time data-driven estimation of radar cross-section of vehicles. 2020 ,	
250	Three-Dimensional Point Cloud Object Detection Using Scene Appearance Consistency Among Multi-View Projection Directions. 2020 , 30, 3345-3357	6
249	. 2020 , 22, 1744-1755	18
248	Joint deep feature learning and unsupervised visual domain adaptation for cross-domain 3D object retrieval. 2020 , 57, 102275	3
247	. 2020 , 22, 2234-2245	2
246	Two-Stream Network Based on Visual Saliency Sharing for 3D Model Recognition. 2020 , 8, 5979-5989	4
245	. 2020 , 8, 19830-19841	2

244	Joint Image and 3D Shape Part Representation in Large Collections for Object Blending. 2020 , 8, 35696-35711		1
243	A comparative visualization tool for ocean data analysis based on mode water regions. 2020 , 23, 313-329		
242	Sketch based modeling and editing via shape space exploration. <i>Multimedia Tools and Applications</i> , 2020 , 79, 18121-18142	2.5	2
241	Deep Unsupervised Learning of 3D Point Clouds via Graph Topology Inference and Filtering. 2019 ,		10
240	An ELM-Embedded Deep Learning Based Intelligent Recognition System for Computer Numeric Control Machine Tools. 2020 , 8, 24616-24629		6
239	Voxel-FPN: Multi-Scale Voxel Feature Aggregation for 3D Object Detection from LIDAR Point Clouds. 2020 , 20,		45
238	A Review on Deep Learning Approaches for 3D Data Representations in Retrieval and Classifications. 2020 , 8, 57566-57593		13
237	Category-specific upright orientation estimation for 3D model classification and retrieval. 2020 , 96, 103900		2
236	Recognition of 3D Shapes Based on 3V-DepthPano CNN. 2020 , 2020, 1-11		4
235	Exploring contextual information for view-wised 3D model retrieval. <i>Multimedia Tools and Applications</i> , 2021 , 80, 16397-16412	2.5	1
234	3D shape recognition based on multi-modal information fusion. <i>Multimedia Tools and Applications</i> , 2021 , 80, 16173-16184	2.5	1
233	Hierarchical multi-view context modelling for 3D object classification and retrieval. 2021 , 547, 984-995		10
232	. 2021 , 23, 2721-2731		1
231	Bridging multimedia heterogeneity gap via Graph Representation Learning for cross-modal retrieval. 2021 , 134, 143-162		7
230	FAME: 3D Shape Generation via Functionality-Aware Model Evolution. 2020 , PP,		1
229	Deep learning for non-rigid 3D shape classification based on informative images. <i>Multimedia Tools and Applications</i> , 2021 , 80, 973-992	2.5	0
228	Learning Disentangled Representation for Multi-View 3D Object Recognition. 2021 , 1-1		2
227	Comparing CAD part models for geometrical similarity: A concept using machine learning algorithms. 2021 , 96, 133-138		5

226	2DSlicesNet: A 2D Slice-Based Convolutional Neural Network for 3D Object Retrieval and Classification. 2021 , 9, 24041-24049		1
225	DRCNN: Dynamic Routing Convolutional Neural Network for Multi-View 3D Object Recognition. 2021 , 30, 868-877		7
224	. 2021 , 1-1		4
223	CLN: Cross-domain Learning Network for 2D Image-based 3D Shape Retrieval. 2021 , 1-1		1
222	DAN: Deep-Attention Network for 3D Shape Recognition. 2021 , 30, 4371-4383		8
221	Solving the fluid pressure with an iterative multi-resolution guided network. 1		
220	Monocular Image-Based 3-D Model Retrieval: A Benchmark. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	0
219	MMFN. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2021 , 16, 1-22	3.4	1
218	Multi-view 3D shape style transformation. 1		0
217	Joint Local Correlation and Global Contextual Information for Unsupervised 3D Model Retrieval and Classification. 2021 , 1-1		0
216	Semantic Similarity Metric Learning for Sketch-Based 3D Shape Retrieval. 2021 , 59-69		
215	Single-View 3D reconstruction: A Survey of deep learning methods. 2021 , 94, 164-190		10
214	Intelligent design technology of automobile inspection tool based on 3D MBD model intelligent retrieval. 2021 , 235, 2917-2927		1
213	A Deep Learning Method for 3D Object Classification and Retrieval Using the Global Point Signature Plus and Deep Wide Residual Network. 2021 , 21,		1
212	A fast workpiece detection method based on multi-feature fused SSD. 2021 , ahead-of-print,		1
211	Self-supervised Feature Learning by Cross-modality and Cross-view Correspondences. 2021 ,		1
210	Multiscale persistent topological descriptor for porous structure retrieval. 2021 , 88, 102004		0
209	Group-pair deep feature learning for multi-view 3d model retrieval. 1		0

208	An atlas-guided automatic planning approach for rectal cancer intensity-modulated radiotherapy. 2021 , 66,	0
207	A Comprehensive Qualitative and Quantitative Review of Current Research in GANs. 2021 ,	
206	ADSketchNet An Annotated Sketch dataset for 3D CAD Model Retrieval with Deep Neural Networks. 2021 , 99, 100-100	1
205	Critical assessment of Shape Retrieval Tools (SRTs). 2021 , 116, 3431-3446	5
204	Review of multi-view 3D object recognition methods based on deep learning. 2021 , 69, 102053	45
203	Voxel-based three-view hybrid parallel network for 3D object classification. 2021 , 69, 102076	26
202	Residual Enhanced Multi-Hypergraph Neural Network. 2021 ,	0
201	MHFP: Multi-view based hierarchical fusion pooling method for 3D shape recognition. <i>Pattern Recognition Letters</i> , 2021 , 150, 214-220	4-7 0
200	Hypergraph wavelet neural networks for 3D object classification. 2021 , 463, 580-595	2
199	Snap2cad: 3D indoor environment reconstruction for AR/VR applications using a smartphone device. 2021 , 100, 116-124	0
198	. 2021 , 1-1	
197	Multi-Scale Representation Learning on Hypergraph for 3D Shape Retrieval and Recognition. 2021 , 30, 5327-5338	4
196	PVCLN: Point-View Complementary Learning Network for 3D Shape Recognition. 2021 , 9, 3451-3460	0
195	A Convolutional Neural Network Approach to the Classification of Engineering Models. 2021 , 9, 22711-22723	3
194	. 2021 , 1-1	
193	Content-Based Object Movie Retrieval by Use of Relevance Feedback. 2005 , 425-434	1
192	A New 3-D Model Retrieval System Based on Aspect-Transition Descriptor. 2006 , 543-554	1
191	Shape-Based Retrieval of Articulated 3D Models Using Spectral Embedding. 2006 , 299-312	5

190	A Comparison Framework for 3D Object Classification Methods. 2006 , 314-321	7
189	Using Irreducible Group Representations for Invariant 3D Shape Description. 2006 , 132-141	6
188	On Volume Distribution Features Based 3D Model Retrieval. 2006 , 928-937	3
187	Multiresolution Tree Networks for 3D Point Cloud Processing. 2018 , 105-122	50
186	SPNet: Deep 3D Object Classification and Retrieval Using Stereographic Projection. 2019 , 691-706	7
185	Progressive Point Cloud Deconvolution Generation Network. 2020 , 397-413	5
184	From Low-Cost Depth Sensors to CAD: Cross-Domain 3D Shape Retrieval via Regression Tree Fields. 2014 , 489-504	11
183	VConv-DAE: Deep Volumetric Shape Learning Without Object Labels. 2016 , 236-250	69
182	View-Based 3D Objects Recognition with Expectation Propagation Learning. 2016 , 359-369	2
181	A Comparison of Text and Shape Matching for Retrieval of Online 3D Models. 2004 , 209-220	25
180	Automatic Combination of Feature Descriptors for Effective 3D Shape Retrieval. 2007 , 36-46	1
179	Pose Insensitive 3D Retrieval by Poisson Shape Histogram. 2007 , 25-32	2
178	Comparing Sets of 3D Digital Shapes Through Topological Structures. 2007 , 114-125	2
177	Mathematical Methods for Shape Analysis and form Comparison in 3D Anthropometry: A Literature Review. 2007 , 161-170	3
176	A Filter-Refinement Scheme for 3D Model Retrieval Based on Sorted Extended Gaussian Image Histogram. 2007 , 643-652	1
175	A View-Based 3D Object Shape Representation Technique. 2007 , 411-422	2
174	3D Model Retrieval Based on Multi-Shell Extended Gaussian Image. 2007 , 426-437	4
173	Description, Matching and Retrieval by Content of 3D Objects. 2007 , 288-297	1

172	Supervised Learning of Similarity Measures for Content-Based 3D Model Retrieval. 2008 , 210-225	10
171	Comparison of Dimension Reduction Methods for Database-Adaptive 3D Model Retrieval. 2008 , 196-210	5
170	Spatially Enhanced Bags of Words for 3D Shape Retrieval. 2008 , 349-358	8
169	A New Shape Benchmark for 3D Object Retrieval. 2008 , 381-392	24
168	Shape-Based Classification of 3D Head Data. 2009 , 5716, 692-700	8
167	A shape relationship descriptor for radiation therapy planning. 2009 , 12, 100-8	35
166	A Bag of Features Approach for 3D Shape Retrieval. 2009 , 34-43	13
165	Saliency Regions for 3D Mesh Abstraction. 2009 , 292-299	7
164	Shape-Based Autotagging of 3D Models for Retrieval. 2009 , 137-148	3
163	View Context: A 3D Model Feature for Retrieval. 2010 , 185-195	6
162	Skeleton Path Based Approach for Nonrigid 3D Shape Analysis and Retrieval. 2011 , 84-95	6
161	3D Model Feature Extraction Method Based on the Partial Physical Descriptor. <i>Lecture Notes in Electrical Engineering</i> , 2013 , 333-340	0.2 2
160	Three-Dimensional Object Representation Based on 2D UNL-Fourier Shape Descriptor. 2013 , 389-396	1
159	3D Object Partial Matching Using Panoramic Views. 2013 , 169-178	4
158	Generative Adversarial Networks as an Advancement in 2D to 3D Reconstruction Techniques. 2020 , 343-364	1
157	Self-organizing network modelling of 3D objects. 2020 , 69, 409-412	4
156	3D deep shape descriptor. 2015 ,	86
155	3D point cloud object detection with multi-view convolutional neural network. 2016 ,	17

154	Spectral-GANs for High-Resolution 3D Point-cloud Generation. 2020,		5
153	Novel Views of Objects from a Single Image. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2017 , 39, 1576-1590	13-3	27
152	Generative VoxelNet: Learning Energy-Based Models for 3D Shape Synthesis and Analysis. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2020 , PP,	13-3	4
151	Local visual patch for 3d shape retrieval. 2010,		5
150	Distance metric learning and feature combination for shape-based 3D model retrieval. 2010,		22
149	Procedural Modeling Using Autoencoder Networks. 2015,		21
148	CrossLink. 2015 , 34, 1-13		13
147	Tactile mesh saliency. 2016 , 35, 1-11		34
146	Retrieval on Parametric Shape Collections. 2017 , 36, 1		18
145	Learning hierarchical shape segmentation and labeling from online repositories. 2017 , 36, 1-12		28
144	Understanding and Exploiting Object Interaction Landscapes. 2017 , 36, 1		8
143	Ground-Aware Point Cloud Semantic Segmentation for Autonomous Driving. 2019,		8
142	Sequential Cross-Modal Hashing Learning via Multi-scale Correlation Mining. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2020 , 15, 1-20	3-4	8
141	Exploring Deep Learning for View-Based 3D Model Retrieval. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2020 , 16, 1-21	3-4	53
140	A Visual Similarity-Based 3D Search Engine. 2009 , 8, 78-87		1
139	Supervised Learning of Salient 2D Views of 3D Models. 2008 , 7, 124-131		11
138	3D Object Retrieval Based on PSO-K-Modes Method. 2013 , 8,		2
137	Hypergraph Convolutional Network with Hybrid Higher-Order Neighbors. 2021 , 103-114		0

136	. 2021 , 23, 2127-2138	1
135	Multi-view dual attention network for 3D object recognition. 2022 , 34, 3201	1
134	A Novel Patch Convolutional Neural Network for View-based 3D Model Retrieval. 2021 ,	0
133	Hierarchical View Predictor: Unsupervised 3D Global Feature Learning through Hierarchical Prediction among Unordered Views. 2021 ,	2
132	Q-Gram Statistics Descriptor in 3D Shape Classification. 2005 , 360-367	1
131	Retrieving 3D CAD Model with Regional Entropy Distributions. 2006 , 871-879	1
130	Content-Based 3D Model Retrieval Based on the Spatial Geometric Descriptor. 2007 , 685-694	
129	Encyclopedia of Multimedia. 2008 , 853-859	0
128	Encyclopedia of Multimedia. 2008 , 98-103	
127	3D Model Retrieval Using 2D View and Transform-Based Features. 2010 , 449-460	1
126	Fast Shape Re-ranking with Neighborhood Induced Similarity Measure. 2011 , 261-268	
125	A New Algorithm for 3D Shape Recognition by Means of the 2D Point Distance Histogram. 2011 , 229-236	1
124	3D Model Retrieval Using the Histogram of Orientation of Suggestive Contours. 2011 , 367-376	0
123	Robustness and Modularity of 2-Dimensional Size Functions [An Experimental Study. 2011 , 34-41	1
122	Interaction Techniques for Integrated Content-Based Enterprise Search. 2011 , 56-66	1
121	Semi-supervised Metric Learning for 3D Model Automatic Annotation. 2011 , 85-91	
120	The Development of Color CHLAC Features for Object Exploration in 3D Map. 2011 , 27, 749-758	1
119	3D Model-Based Semantic Categorization of Still Image 2D Objects. 2011 , 2, 19-37	

- 118 IEC-Based 3D Model Retrieval System. **2012**, 317-327
- 117 Fundamentals of Digital Preservation of Cultural Heritage. **2012**, 13-68
- 116 3D Shape Analysis for Liver-Gallbladder Anatomical Structure Retrieval. **2012**, 178-187 3
- 115 Some Ways of Distribution Viewing Points for Generating Viewing Representation. **2012**, 228-235
- 114 - 3D Shape Capture of Human Feet and Shoe Lasts. **2012**, 138-151
- 113 3D Object Retrieval based on Correlation of Multi-view Image Local Feature. **2013**, 25, 556-567
- 112 Efficient Sketch-Based 3D Shape Retrieval via View Selection. **2013**, 396-407 1
- 111 Modeling and Simulation of a Laser Scanner Sensor: An Industrial Application Case Study. **2013**, 245-258 4
- 110 3D Model-Based Semantic Categorization of Still Image 2D Objects. **2013**, 151-169
- 109 Real-Time 3D Reconstruction of Traffic Scenes Under an Images-to-Model Framework. **2014**, 763-772
- 108 3-D Model Alignment for Retrieval from Part of Model Considering the Rotation, Scaling and Translation with Projections around an Axis. **2014**, 502-509
- 107 Probabilistic Model for Virtual Garment Modeling. **2014**, 203-212
- 106 Geometry Processing. **2014**, 149-162
- 105 Investigating Shape Comparison Tools for Benchmarking Differences in Product Appearance During Product Styling. **2015**, 169-179 1
- 104 Conclusions and Future Work. **2015**, 139-143
- 103 A Two-Stage Matching Method for Multi-Component Shapes. **2015**, 15, 143-150
- 102 Improved 3D Local Feature Descriptor Based on Rotational Projection Statistics and Depth Information. **2015**, 139-147
- 101 View Selection. **2015**, 51-65

100	Modeling of a Low Cost Laser Scanner Sensor. <i>Lecture Notes in Electrical Engineering</i> , 2015 , 697-705	0.2	4
99	The Benchmark and Evaluation. 2015 , 17-37		
98	Spatial Context Constrained Characteristic View Extraction for 3D Model Retrieval. <i>Lecture Notes in Electrical Engineering</i> , 2015 , 695-703	0.2	
97	Similarity Methods and Dimensional Analysis in Engineering Dynamics. 2015 , 253-267		
96	3D Model Identification Using the Dice-Shape Flat Pattern. 2016 , 4, 35-38		
95	3D Objects Comparison Using New Approach Based Similarity Index. <i>Lecture Notes in Electrical Engineering</i> , 2016 , 415-421	0.2	1
94	Non-rigid 3D Object Retrieval with a Learned Shape Descriptor. 2017 , 24-37		0
93	View-Based 3D Model Retrieval Based on Distance Learning. 2017 , 483-493		
92	3D Shape Retrieval via Irrelevance Filtering and Similarity Ranking (IF/SR). 2017 , 630-646		
91	Multi-layers CNNs for 3D Model Retrieval. 2018 , 371-383		
90	ShapeCreator: 3D Shape Generation from Isomorphic Datasets Based on Autoencoder. 2018 , 264-276		
89	A Human-Perceived Softness Measure of Virtual 3D Objects. 2018 , 15, 1-18		0
88	Analyses and Visualization of Characteristics of Car Body Types by Using Convolutional Neural Network. 2019 , 18, 113-121		0
87	Deep Learning for 3D Data Processing. 2019 , 155-187		
86	Semisupervised Cross-Media Retrieval by Distance-Preserving Correlation Learning and Multi-modal Manifold Regularization. 2019 , 30-42		
85	3D Pick & Mix: Object Part Blending in Joint Shape and Image Manifolds. 2019 , 155-170		
84	FVCNN: Fusion View Convolutional Neural Networks for Non-rigid 3D Shape Classification and Retrieval. 2019 , 566-581		1
83	A novel approach for partial shape matching and similarity based on data envelopment analysis. 2019 , 43, 316-323		1

82	3D Models Recognition in Fourier Domain Using Compression of the Spherical Mesh up to the Models Surface. 2019 , 16, 3-18	
81	A Study of 3D Shape Similarity Search in Point Representation by Using Machine Learning. <i>Lecture Notes in Networks and Systems</i> , 2020 , 265-274	0.5
80	Deep Learning on 3D Data. 2020 , 513-566	0
79	Learning the Global Descriptor for 3D Object Recognition based on Multiple Views Decomposition. 2020 , 1-1	2
78	Pairwise View Weighted Graph Network for View-based 3D Model Retrieval. 2020 ,	5
77	Visual information quantification for object recognition and retrieval. 1	0
76	Three-dimensional model retrieval in single category geometry using local ontology created by object part segmentation through deep neural network. 1	0
75	Learning Attentive and Hierarchical Representations for 3D Shape Recognition. 2020 , 105-122	4
74	Hypergraph Attention Networks. 2020 ,	
73	3D Model Retrieval Using Constructive Solid Geometry in Virtual Reality. 2020 ,	0
72	Mask2CAD: 3D Shape Prediction by Learning to Segment and Retrieve. 2020 , 260-277	7
71	3D Shape Matching for Retrieval and Recognition. 2020 , 413-461	
70	DR-KFS: A Differentiable Visual Similarity Metric for 3D Shape Reconstruction. 2020 , 295-311	3
69	Ground-distance segmentation of 3D LiDAR point cloud toward autonomous driving. 2020 , 9,	1
68	Cross-Modal Center Loss for 3D Cross-Modal Retrieval. 2021 ,	5
67	Self-Supervised Learning on 3D Point Clouds by Learning Discrete Generative Models. 2021 ,	3
66	Learning Fine-Grained Segmentation of 3D Shapes without Part Labels. 2021 ,	1
65	3D Shape Generation with Grid-based Implicit Functions. 2021 ,	1

64	Recurrent Multi-view Alignment Network for Unsupervised Surface Registration. 2021 ,		4
63	. 2021 ,		3
62	Generative PointNet: Deep Energy-Based Learning on Unordered Point Sets for 3D Generation, Reconstruction and Classification. 2021 ,		4
61	Sketch2Model: View-Aware 3D Modeling from Single Free-Hand Sketches. 2021 ,		9
60	PolySquare. 2020 ,		
59	Joint object recognition and pose estimation using multiple-anchor triplet learning of canonical plane. <i>Pattern Recognition Letters</i> , 2021 , 152, 372-372		4.7
58	Shape Retrieval and Classification Based on Geodesic Paths in Skeleton Graphs. 190-215		
57	Striving for an Adequate Vocabulary: Next Generation Metadata□ 2006 , 13-20		1
56	A 3D Object Retrieval Method Using Segment Thickness Histograms and the Connection of Segments. 2007 , 128-140		
55	Index-Supported Similarity Search Using Multiple Representations. 2008 , 504-511		
54	Multi-View Graph Matching for 3D Model Retrieval. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2020 , 16, 1-20	3.4	0
53	Cube of Space Sampling for 3D Model Retrieval. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 11142	2.6	0
52	Automatic Representative View Selection of a 3D Cultural Relic Using Depth Variation Entropy and Depth Distribution Entropy.. <i>Entropy</i> , 2021 , 23,	2.8	1
51	3D Object Classification Using HOG3D. <i>Lecture Notes in Networks and Systems</i> , 2022 , 459-470	0.5	
50	An Invariant Three-polar Representation for R3 Surfaces: Robustness and Accuracy for 3D Faces Description. <i>International Journal of Computers and Communications</i> , 2021 , 15, 56-61		
49	View-Based 3-D Model Retrieval: A Benchmark. <i>IEEE Transactions on Cybernetics</i> , 2018 , 48, 916-928	10.2	49
48	A Deep Learning Driven Active Framework for Segmentation of Large 3D Shape Collections. <i>CAD Computer Aided Design</i> , 2022 , 144, 103179	2.9	0
47	Sketch-based 3D Shape Retrieval with Multi-Silhouette View Based on Convolutional Neural Networks. 2020 ,		

46	An Improved Deep Multiple-input and Single-output PointNet for 3D Model Retrieval. 2020 ,		
45	DFNet: Deep Fusion Network for 3D Shape Classification and Retrieval. 2020 ,		
44	Using Computer-Generated Examples to Support Idea Generation. 2020 ,		
43	3D Grain Shape Generation in Polycrystals Using Generative Adversarial Networks. <i>Integrating Materials and Manufacturing Innovation</i> , 2022 , 11, 71	2.9	1
42	Domain-Adversarial-Guided Siamese Network for Unsupervised Cross-Domain 3-D Object Retrieval.. <i>IEEE Transactions on Cybernetics</i> , 2022 , PP,	10.2	1
41	Beyond 3DMM: Learning to Capture High-fidelity 3D Face Shape.. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2022 , PP,	13.3	
40	Spherical harmonic shape descriptors of nodal force demands for quantifying spatial truss connection complexity. <i>Architecture, Structures and Construction</i> , 1		
39	Multi-view 3D model retrieval based on enhanced detail features with contrastive center loss. <i>Multimedia Tools and Applications</i> , 2022 , 81, 10407-10426	2.5	0
38	Pose-invariant matching for non-rigid 3D models using Isomap.. <i>PLoS ONE</i> , 2022 , 17, e0264192	3.7	
37	A Method for Determining the Shape Similarity of Complex Three-Dimensional Structures to Aid Decay Restoration and Digitization Error Correction. <i>Information (Switzerland)</i> , 2022 , 13, 145	2.6	
36	Patch2CAD: Patchwise Embedding Learning for In-the-Wild Shape Retrieval from a Single Image. 2021 ,		3
35	MVTN: Multi-View Transformation Network for 3D Shape Recognition. 2021 ,		4
34	RetrievalFuse: Neural 3D Scene Reconstruction with a Database. 2021 ,		3
33	Single Image 3D Shape Retrieval via Cross-Modal Instance and Category Contrastive Learning. 2021 ,		1
32	A novel 3D shape recognition method based on double-channel attention residual network. <i>Multimedia Tools and Applications</i> , 1	2.5	0
31	Rigid and non-rigid 3D shape classification based on 3D Hahn moments neural networks model. <i>Multimedia Tools and Applications</i> , 1	2.5	0
30	Feature representation for 3D object retrieval based on unconstrained multi-view. <i>Multimedia Systems</i> , 1	2.2	
29	3D Model Retrieval Method Based on the Study of Shape Retrieval Method. <i>Lecture Notes in Electrical Engineering</i> , 2022 , 899-906	0.2	

28	An Effective Point Cloud Classification Method Based on Improved Non-local Neural Networks. 2022,		
27	3D Intracranial Aneurysm Classification and Segmentation Via Unsupervised Dual-Branch Learning. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2022 , 1-10	7.2	0
26	HGNN ⁺ : General Hypergraph Neural Networks. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2022 , 1-18	13.3	1
25	Automatic Classification and Disassembly of Fasteners in Industrial 3D CAD-Scenarios. 2022,		0
24	Low-poly Mesh Generation for Building Models. 2022,		1
23	View-relation constrained global representation learning for multi-view-based 3D object recognition.		
22	Hypergraph Variational Autoencoder for Multimodal Semi-supervised Representation Learning. 2022 , 395-406		0
21	Neural Template: Topology-aware Reconstruction and Disentangled Generation of 3D Meshes. 2022,		0
20	CAPRI-Net: Learning Compact CAD Shapes with Adaptive Primitive Assembly. 2022,		1
19	SDF-StyleGAN: Implicit SDF-Based StyleGAN for 3D Shape Generation. 2022 , 41, 52-63		0
18	Efficient Long-Range Convolutions for Point Clouds. 2022 , 111692		0
17	Point Scene Understanding via Disentangled Instance Mesh Reconstruction. 2022 , 684-701		0
16	An Integrated Framework to Support Bachelor Design Students in 3-D Modeling. 2022 , 1-12		0
15	Learning View-Based Graph Convolutional Network for Multi-View 3D Shape Analysis. 2022 , 1-17		0
14	A parallel algorithm for maximal cliques enumeration to improve hypergraph construction. 2022 , 101905		0
13	3D Model Retrieval Algorithm Based on Attention and Multi-view Fusion. 2022,		0
12	Neural Wavelet-domain Diffusion for 3D Shape Generation. 2022,		0
11	Machine Learning for Object Recognition in Manufacturing Applications.		0

- 10 ReINView: Re-interpreting Views for Multi-view 3D Object Recognition. **2022**, ○
- 9 Skeleton Embedded Views for Non-Rigid 3D Shape Classification and Retrieval. **2022**, ○
- 8 RM3D: Robust Data-Efficient 3D Scene Parsing via Traditional and Learnt 3D Descriptors-Based Semantic Region Merging. ○
- 7 ????????druggability?????????????. **2013**, 12, 104-113 ○
- 6 Object Centric Point Sets Feature Learning with Matrix Decomposition. **2023**, 256-268 ○
- 5 Instance-prototype similarity consistency for unsupervised 2D image-based 3D model retrieval. **2023**, 60, 103372 ○
- 4 Spotlights: Probing Shapes from Spherical Viewpoints. **2023**, 469-485 ○
- 3 A Multimodal Fusion Network Based on Hypergraph for 3D Shape Retrieval. **2022**, ○
- 2 Deep3DSketch+: Rapid 3D Modeling from Single Free-Hand Sketches. **2023**, 16-28 ○
- 1 GRMI: Graph Representation Learning of Multimodal Data with Incompleteness. **2023**, 286-296 ○