David M Hyman

List of Publications by Year in descending order

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19608 12910 25,649 129 61 131 citations h-index g-index papers 135 135 135 31358 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Mechanisms of Resistance to Noncovalent Bruton's Tyrosine Kinase Inhibitors. New England Journal of Medicine, 2022, 386, 735-743.	13.9	87
2	The evolution of RET inhibitor resistance in RET-driven lung and thyroid cancers. Nature Communications, 2022, 13, 1450.	5.8	47
3	AKT mutant allele-specific activation dictates pharmacologic sensitivities. Nature Communications, 2022, 13, 2111.	5.8	10
4	Natural History and Characteristics of <i>ERBB2</i> -mutated Hormone Receptor–positive Metastatic Breast Cancer: A Multi-institutional Retrospective Case–control Study from AACR Project GENIE. Clinical Cancer Research, 2022, 28, 2118-2130.	3.2	3
5	Phase I Basket Study of Taselisib, an Isoform-Selective PI3K Inhibitor, in Patients with <i>PIK3CA</i> -Mutant Cancers. Clinical Cancer Research, 2021, 27, 447-459.	3.2	22
6	TRK xDFG Mutations Trigger a Sensitivity Switch from Type I to II Kinase Inhibitors. Cancer Discovery, 2021, 11, 126-141.	7.7	34
7	OncoTree: A Cancer Classification System for Precision Oncology. JCO Clinical Cancer Informatics, 2021, 5, 221-230.	1.0	51
8	Quality of Life in Adult and Pediatric Patients with Tropomyosin Receptor Kinase Fusion Cancer Receiving Larotrectinib. Current Problems in Cancer, 2021, 45, 100734.	1.0	9
9	The context-specific role of germline pathogenicity in tumorigenesis. Nature Genetics, 2021, 53, 1577-1585.	9.4	44
10	NTRK fusion detection across multiple assays and 33,997 cases: diagnostic implications and pitfalls. Modern Pathology, 2020, 33, 38-46.	2.9	373
11	Development of Genome-Derived Tumor Type Prediction to Inform Clinical Cancer Care. JAMA Oncology, 2020, 6, 84.	3.4	66
12	MEK Inhibitor-Associated Central Retinal Vein Occlusion Associated with Hyperhomocysteinemia and MTHFR Variants. Ocular Oncology and Pathology, 2020, 6, 159-163.	0.5	8
13	Phase 2 study of LY3023414 in patients with advanced endometrial cancer harboring activating mutations in the PI3K pathway. Cancer, 2020, 126, 1274-1282.	2.0	37
14	Clinical outcomes of patients with POLE mutated endometrioid endometrial cancer. Gynecologic Oncology, 2020, 156, 194-202.	0.6	35
15	TRK Fusions Are Enriched in Cancers with Uncommon Histologies and the Absence of Canonical Driver Mutations. Clinical Cancer Research, 2020, 26, 1624-1632.	3.2	103
16	Discovery through clinical sequencing in oncology. Nature Cancer, 2020, 1, 774-783.	5.7	29
17	Cancer therapy shapes the fitness landscape of clonal hematopoiesis. Nature Genetics, 2020, 52, 1219-1226.	9.4	367
18	Clinical implications of drugâ€induced liver injury in earlyâ€phase oncology clinical trials. Cancer, 2020, 126, 4967-4974.	2.0	6

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19	Identification of HER2-Positive Metastases in Patients with HER2-Negative Primary Breast Cancer by Using HER2-targeted ⁸⁹ Zr-Pertuzumab PET/CT. Radiology, 2020, 296, 370-378.	3.6	40
20	Small molecules, big impact: 20 years of targeted therapy in oncology. Lancet, The, 2020, 395, 1078-1088.	6.3	302
21	Pan-Cancer Efficacy of Vemurafenib in <i>BRAF</i> V600-Mutant Non-Melanoma Cancers. Cancer Discovery, 2020, 10, 657-663.	7.7	93
22	Larotrectinib in patients with TRK fusion-positive solid tumours: a pooled analysis of three phase $1/2$ clinical trials. Lancet Oncology, The, 2020, 21, 531-540.	5.1	608
23	Neurologic and oncologic features of Erdheim–Chester disease: a 30-patient series. Neuro-Oncology, 2020, 22, 979-992.	0.6	31
24	Efficacy and Determinants of Response to HER Kinase Inhibition in <i>HER2</i> Her2Her2Her2Horast Cancer Discovery, 2020, 10, 198-213.	7.7	83
25	Capivasertib, an AKT Kinase Inhibitor, as Monotherapy or in Combination with Fulvestrant in Patients with <i>AKT1 </i> F17K-Mutant, ER-Positive Metastatic Breast Cancer. Clinical Cancer Research, 2020, 26, 3947-3957.	3.2	54
26	Toward a More Precise Future for Oncology. Cancer Cell, 2020, 37, 431-442.	7.7	21
27	Genomic Landscape of Uterine Sarcomas Defined Through Prospective Clinical Sequencing. Clinical Cancer Research, 2020, 26, 3881-3888.	3.2	59
28	HER2-Mediated Internalization of Cytotoxic Agents in <i>ERBB2</i> Amplified or Mutant Lung Cancers. Cancer Discovery, 2020, 10, 674-687.	7.7	149
29	Resistance to TRK inhibition mediated by convergent MAPK pathway activation. Nature Medicine, 2019, 25, 1422-1427.	15.2	144
30	Larotrectinib Demonstrates CNS Efficacy in TRK Fusion-Positive Solid Tumors. JCO Precision Oncology, 2019, 3, 1-5.	1.5	15
31	Tumour lineage shapes BRCA-mediated phenotypes. Nature, 2019, 571, 576-579.	13.7	295
32	Genomic Correlates of Disease Progression and Treatment Response in Prospectively Characterized Gliomas. Clinical Cancer Research, 2019, 25, 5537-5547.	3.2	107
33	Combined PIK3CA and FGFR Inhibition With Alpelisib and Infigratinib in Patients With PIK3CA-Mutant Solid Tumors, With or Without FGFR Alterations. JCO Precision Oncology, 2019, 3, 1-13.	1.5	11
34	First-in-Human Phase I Study of the Activin A Inhibitor, STM 434, in Patients with Granulosa Cell Ovarian Cancer and Other Advanced Solid Tumors. Clinical Cancer Research, 2019, 25, 5458-5465.	3.2	47
35	High Yield of RNA Sequencing for Targetable Kinase Fusions in Lung Adenocarcinomas with No Mitogenic Driver Alteration Detected by DNA Sequencing and Low Tumor Mutation Burden. Clinical Cancer Research, 2019, 25, 4712-4722.	3.2	292
36	Lenvatinib plus pembrolizumab in patients with advanced endometrial cancer: an interim analysis of a multicentre, open-label, single-arm, phase 2 trial. Lancet Oncology, The, 2019, 20, 711-718.	5.1	381

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37	Efficacy of MEK inhibition in patients with histiocytic neoplasms. Nature, 2019, 567, 521-524.	13.7	222
38	Use, Safety, and Efficacy of Single-Patient Use of the US Food and Drug Administration Expanded Access Program. JAMA Oncology, 2019, 5, 570.	3.4	9
39	Patient-Driven Discovery, Therapeutic Targeting, and Post-Clinical Validation of a Novel <i>AKT1</i> Fusion–Driven Cancer. Cancer Discovery, 2019, 9, 605-616.	7.7	11
40	Real-World Outcomes of an Automated Physician Support System for Genome-Driven Oncology. JCO Precision Oncology, 2019, 3, 1-13.	1.5	6
41	Understanding Inherited Risk in Unselected Newly Diagnosed Patients With Endometrial Cancer. JCO Precision Oncology, 2019, 3, 1-15.	1.5	7
42	A scale for patient-reported symptom assessment for patients with Erdheim-Chester disease. Blood Advances, 2019, 3, 934-938.	2.5	17
43	Activating mutations in CSF1R and additional receptor tyrosine kinases in histiocytic neoplasms. Nature Medicine, 2019, 25, 1839-1842.	15.2	122
44	A view on drug resistance in cancer. Nature, 2019, 575, 299-309.	13.7	1,391
45	High-intensity sequencing reveals the sources of plasma circulating cell-free DNA variants. Nature Medicine, 2019, 25, 1928-1937.	15.2	485
46	Comprehensive Genomic Analysis of Metastatic Non–Clear-Cell Renal Cell Carcinoma to Identify Therapeutic Targets. JCO Precision Oncology, 2019, 3, 1-18.	1.5	7
47	Next-Generation Sequencing–Based Assessment of JAK2, PD-L1, and PD-L2 Copy Number Alterations at 9p24.1 in Breast Cancer. Journal of Molecular Diagnostics, 2019, 21, 307-317.	1.2	19
48	RAF inhibitor PLX8394 selectively disrupts BRAF dimers and RAS-independent BRAF-mutant-driven signaling. Nature Medicine, 2019, 25, 284-291.	15.2	125
49	Early disease progression and treatment discontinuation in patients with advanced ovarian cancer receiving immune checkpoint blockade. Gynecologic Oncology, 2019, 152, 251-258.	0.6	33
50	Colorectal Carcinomas Containing Hypermethylated MLH1 Promoter and Wild-Type BRAF/KRAS Are Enriched for Targetable Kinase Fusions. Cancer Research, 2019, 79, 1047-1053.	0.4	112
51	Prospective Genotyping of Hepatocellular Carcinoma: Clinical Implications of Next-Generation Sequencing for Matching Patients to Targeted and Immune Therapies. Clinical Cancer Research, 2019, 25, 2116-2126.	3.2	390
52	Efficacy of Larotrectinib in <i>TRK</i> Fusion–Positive Cancers in Adults and Children. New England Journal of Medicine, 2018, 378, 731-739.	13.9	2,036
53	Single-agent dabrafenib for <i>BRAF</i> ^{V600E} -mutated histiocytosis. Haematologica, 2018, 103, e177-e180.	1.7	40
54	A First-in-Human Phase 1 Study of LY3023414, an Oral PI3K/mTOR Dual Inhibitor, in Patients with Advanced Cancer. Clinical Cancer Research, 2018, 24, 3253-3262.	3.2	71

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55	HER kinase inhibition in patients with HER2- and HER3-mutant cancers. Nature, 2018, 554, 189-194.	13.7	572
56	Accelerating Discovery of Functional Mutant Alleles in Cancer. Cancer Discovery, 2018, 8, 174-183.	7.7	275
57	Clinical Sequencing Defines the Genomic Landscape of Metastatic Colorectal Cancer. Cancer Cell, 2018, 33, 125-136.e3.	7.7	589
58	NTRK Fusions Define a Novel Uterine Sarcoma Subtype With Features of Fibrosarcoma. American Journal of Surgical Pathology, 2018, 42, 791-798.	2.1	182
59	Patient HLA class I genotype influences cancer response to checkpoint blockade immunotherapy. Science, 2018, 359, 582-587.	6.0	834
60	Basket Studies: Redefining Clinical Trials in the Era of Genome-Driven Oncology. Annual Review of Medicine, 2018, 69, 319-331.	5.0	61
61	Genomic Heterogeneity Underlies Mixed Response to Tropomyosin Receptor Kinase Inhibition in Recurrent Glioma. JCO Precision Oncology, 2018, 2, 1-6.	1.5	2
62	BRAF Inhibition in <i>BRAF</i> ^{V600} -Mutant Gliomas: Results From the VE-BASKET Study. Journal of Clinical Oncology, 2018, 36, 3477-3484.	0.8	247
63	Ado-Trastuzumab Emtansine for Patients With <i>HER2</i> II Basket Trial. Journal of Clinical Oncology, 2018, 36, 2532-2537.	0.8	381
64	Learning All That We Can From MyPathway. Journal of Clinical Oncology, 2018, 36, 2450-2451.	0.8	1
65	Vemurafenib in Patients With Relapsed Refractory Multiple Myeloma Harboring <i>BRAF</i> ^{V600} Mutations: A Cohort of the Histology-Independent VE-BASKET Study. JCO Precision Oncology, 2018, 2, 1-9.	1.5	20
66	Neratinib is effective in breast tumors bearing both amplification and mutation of ERBB2 (HER2). Science Signaling, 2018, 11 , .	1.6	53
67	Isoform Switching as a Mechanism of Acquired Resistance to Mutant Isocitrate Dehydrogenase Inhibition. Cancer Discovery, 2018, 8, 1540-1547.	7.7	138
68	Widespread Selection for Oncogenic Mutant Allele Imbalance in Cancer. Cancer Cell, 2018, 34, 852-862.e4.	7.7	73
69	The Genomic Landscape of Endocrine-Resistant Advanced Breast Cancers. Cancer Cell, 2018, 34, 427-438.e6.	7.7	633
70	Prevalence of Germline Mutations in Cancer Susceptibility Genes in Patients With Advanced Renal Cell Carcinoma. JAMA Oncology, 2018, 4, 1228.	3.4	132
71	Clinical Utility of Prospective Molecular Characterization in Advanced Endometrial Cancer. Clinical Cancer Research, 2018, 24, 5939-5947.	3.2	100
72	Genome doubling shapes the evolution and prognosis of advanced cancers. Nature Genetics, 2018, 50, 1189-1195.	9.4	411

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73	Clinical tumour sequencing for precision oncology: time for a universal strategy. Nature Reviews Cancer, 2018, 18, 527-528.	12.8	34
74	Rates of TP53 Mutation are Significantly Elevated in African American Patients with Gastric Cancer. Annals of Surgical Oncology, 2018, 25, 2027-2033.	0.7	19
75	Repotrectinib (TPX-0005) Is a Next-Generation ROS1/TRK/ALK Inhibitor That Potently Inhibits ROS1/TRK/ALK Solvent- Front Mutations. Cancer Discovery, 2018, 8, 1227-1236.	7.7	321
76	Prevalence of Clonal Hematopoiesis Mutations in Tumor-Only Clinical Genomic Profiling of Solid Tumors. JAMA Oncology, 2018, 4, 1589.	3.4	139
77	Oncogenic TRK fusions are amenable to inhibition in hematologic malignancies. Journal of Clinical Investigation, 2018, 128, 3819-3825.	3.9	45
78	Activating Mutations in CSF1R and Additional Receptor Tyrosine Kinases in Sporadic and Familial Histiocytic Neoplasms. Blood, 2018, 132, 49-49.	0.6	10
79	DNA Damage Response and Repair Gene Alterations Are Associated with Improved Survival in Patients with Platinum-Treated Advanced Urothelial Carcinoma. Clinical Cancer Research, 2017, 23, 3610-3618.	3.2	225
80	An Acquired <i>HER2</i> â€^T798I Gatekeeper Mutation Induces Resistance to Neratinib in a Patient with HER2 Mutantâ€"Driven Breast Cancer. Cancer Discovery, 2017, 7, 575-585.	7.7	85
81	Implementing Genome-Driven Oncology. Cell, 2017, 168, 584-599.	13.5	405
82	Mutational landscape of metastatic cancer revealed from prospective clinical sequencing of 10,000 patients. Nature Medicine, 2017, 23, 703-713.	15.2	2,473
83	A Next-Generation TRK Kinase Inhibitor Overcomes Acquired Resistance to Prior TRK Kinase Inhibition in Patients with TRK Fusion–Positive Solid Tumors. Cancer Discovery, 2017, 7, 963-972.	7.7	331
84	Prospective Comprehensive Molecular Characterization of Lung Adenocarcinomas for Efficient Patient Matching to Approved and Emerging Therapies. Cancer Discovery, 2017, 7, 596-609.	7.7	490
85	A phase 1b dose expansion study of the pan-class I PI3K inhibitor buparlisib (BKM120) plus carboplatin and paclitaxel in PTEN deficient tumors and with dose intensified carboplatin and paclitaxel. Investigational New Drugs, 2017, 35, 742-750.	1.2	10
86	The PARP Inhibitor Veliparib Can Be Safely Added to Bendamustine and Rituximab and Has Preliminary Evidence of Activity in B-Cell Lymphoma. Clinical Cancer Research, 2017, 23, 4119-4126.	3.2	17
87	Next-Generation Assessment of Human Epidermal Growth Factor Receptor 2 (ERBB2) Amplification Status. Journal of Molecular Diagnostics, 2017, 19, 244-254.	1.2	96
88	Mechanisms of Acquired Resistance to BRAF V600E Inhibition in Colon Cancers Converge on RAF Dimerization and Are Sensitive to Its Inhibition. Cancer Research, 2017, 77, 6513-6523.	0.4	58
89	Mutation Detection in Patients With Advanced Cancer by Universal Sequencing of Cancer-Related Genes in Tumor and Normal DNA vs Guideline-Based Germline Testing. JAMA - Journal of the American Medical Association, 2017, 318, 825.	3.8	366
90	Pan-Trk Immunohistochemistry Is an Efficient and Reliable Screen for the Detection of NTRK Fusions. American Journal of Surgical Pathology, 2017, 41, 1547-1551.	2.1	353

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91	Real-Time Genomic Profiling of Pancreatic Ductal Adenocarcinoma: Potential Actionability and Correlation with Clinical Phenotype. Clinical Cancer Research, 2017, 23, 6094-6100.	3.2	161
92	Diverse <i>BRCA1</i> and <i>BRCA2</i> Reversion Mutations in Circulating Cell-Free DNA of Therapy-Resistant Breast or Ovarian Cancer. Clinical Cancer Research, 2017, 23, 6708-6720.	3.2	194
93	Therapy-Related Clonal Hematopoiesis in Patients with Non-hematologic Cancers Is Common and Associated with Adverse Clinical Outcomes. Cell Stem Cell, 2017, 21, 374-382.e4.	5.2	578
94	The Molecular Landscape of Recurrent and Metastatic Head and Neck Cancers. JAMA Oncology, 2017, 3, 244.	3.4	191
95	Prospective Genomic Profiling of Prostate Cancer Across Disease States Reveals Germline and Somatic Alterations That May Affect Clinical Decision Making. JCO Precision Oncology, 2017, 2017, 1-16.	1.5	286
96	AKT Inhibition in Solid Tumors With <i>AKT1</i> Mutations. Journal of Clinical Oncology, 2017, 35, 2251-2259.	0.8	240
97	OncoKB: A Precision Oncology Knowledge Base. JCO Precision Oncology, 2017, 2017, 1-16.	1.5	1,266
98	Genome-Driven Paradigm for the Development of Selective Fibroblast Growth Factor Receptor Inhibitors. Journal of Clinical Oncology, 2017, 35, 131-134.	0.8	6
99	Precision oncology: Charting a path forward to broader deployment of genomic profiling. PLoS Medicine, 2017, 14, e1002242.	3.9	16
100	Beyond the doseâ€limiting toxicity period: Dermatologic adverse events of patients on phase 1 trials of the Cancer Therapeutics Evaluation Program. Cancer, 2016, 122, 1228-1237.	2.0	10
101	Automated eligibility screening and monitoring for genotype-driven precision oncology trials. Journal of the American Medical Informatics Association: JAMIA, 2016, 23, 777-781.	2.2	27
102	Measuring Toxicity in Phase I Clinical Trialsâ€"Letter. Clinical Cancer Research, 2016, 22, 1828-1828.	3.2	0
103	Detection of HER2-Positive Metastases in Patients with HER2-Negative Primary Breast Cancer Using ⁸⁹ Zr-Trastuzumab PET/CT. Journal of Nuclear Medicine, 2016, 57, 1523-1528.	2.8	146
104	Diffuse reduction of cerebral grey matter volumes in Erdheim-Chester disease. Orphanet Journal of Rare Diseases, 2016, 11, 109.	1.2	19
105	Characterization of a novel germline PALB2 duplication in a hereditary breast and ovarian cancer family. Breast Cancer Research and Treatment, 2016, 160, 447-456.	1.1	16
106	Germline Variants in Targeted Tumor Sequencing Using Matched Normal DNA. JAMA Oncology, 2016, 2, 104.	3.4	270
107	Diverse and Targetable Kinase Alterations Drive Histiocytic Neoplasms. Cancer Discovery, 2016, 6, 154-165.	7.7	372
108	Identification of Targetable Kinase Alterations in Patients with Colorectal Carcinoma That are Preferentially Associated with Wild-Type RAS/RAF. Molecular Cancer Research, 2016, 14, 296-301.	1.5	46

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109	Toxicity Attribution in Phase I Trials: Evaluating the Effect of Dose on the Frequency of Related and Unrelated Toxicities. Clinical Cancer Research, 2016, 22, 553-559.	3.2	16
110	Quantification of tumor-derived cell free DNA(cfDNA) by digital PCR (DigPCR) in cerebrospinal fluid of patients with BRAFV600 mutated malignancies. Oncotarget, 2016, 7, 85430-85436.	0.8	60
111	Primary debulking surgery for metastatic cervical adenocarcinoma: A case report. Gynecologic Oncology Reports, 2015, 14, 23-25.	0.3	1
112	Tumor Genetic Screening Programs: A Call to Action. Journal of Clinical Oncology, 2015, 33, 2725-2726.	0.8	14
113	Parallel phase Ib studies of two schedules of buparlisib (BKM120) plus carboplatin and paclitaxel (q21Âdays or q28Âdays) for patients with advanced solid tumors. Cancer Chemotherapy and Pharmacology, 2015, 75, 747-755.	1.1	21
114	The role of systemic chemotherapy in the management of granulosa cell tumors. Gynecologic Oncology, 2015, 136, 505-511.	0.6	45
115	Vemurafenib in Multiple Nonmelanoma Cancers with <i>BRAF</i> V600 Mutations. New England Journal of Medicine, 2015, 373, 726-736.	13.9	1,483
116	Precision medicine at Memorial Sloan Kettering Cancer Center: clinical next-generation sequencing enabling next-generation targeted therapy trials. Drug Discovery Today, 2015, 20, 1422-1428.	3.2	136
117	Prospective Blinded Study of <i>BRAF</i> V600E Mutation Detection in Cell-Free DNA of Patients with Systemic Histiocytic Disorders. Cancer Discovery, 2015, 5, 64-71.	7.7	115
118	Expression of the Carboxy-Terminal Portion of MUC16/CA125 Induces Transformation and Tumor Invasion. PLoS ONE, 2015, 10, e0126633.	1.1	41
119	Predictors of early treatment discontinuation in patients enrolled on Phase I oncology trials. Oncotarget, 2015, 6, 19316-19327.	0.8	13
120	Reply to M. Voskoboynik et al. Journal of Clinical Oncology, 2014, 32, 3199-3200.	0.8	1
121	BRAF V600E Mutation and Clonal Evolution in a Patient With Relapsed Refractory Myeloma With Plasmablastic Differentiation. Clinical Lymphoma, Myeloma and Leukemia, 2014, 14, e65-e68.	0.2	22
122	Nomogram to Predict Cycle-One Serious Drug-Related Toxicity in Phase I Oncology Trials. Journal of Clinical Oncology, 2014, 32, 519-526.	0.8	47
123	Placental site trophoblastic tumor: Analysis of presentation, treatment, and outcome. Gynecologic Oncology, 2013, 129, 58-62.	0.6	53
124	BRAF Mutation is associated with early stage disease and improved outcome in patients with lowâ€grade serous ovarian cancer. Cancer, 2013, 119, 548-554.	2.0	169
125	Improved survival for <i>BRCA2</i> â€associated serous ovarian cancer compared with both <i>BRCA</i> â€negative and <i>BRCA1</i> â€associated serous ovarian cancer. Cancer, 2012, 118, 3703-3709.	2.0	72
126	Outcomes of primary surgical cytoreduction in patients with BRCA-associated high-grade serous ovarian carcinoma. Gynecologic Oncology, 2012, 126, 224-228.	0.6	29

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127	Disseminated Intravascular Coagulation with Excessive Fibrinolysis in Prostate Cancer: A Case Series and Review of the Literature. Oncology, 2011, 81, 119-125.	0.9	45
128	Topotecan in patients with BRCA-associated and sporadic platinum-resistant ovarian, fallopian tube, and primary peritoneal cancers. Gynecologic Oncology, 2011, 123, 196-199.	0.6	10
129	TRK xDFG Mutations Trigger a Sensitivity Switch from Type I to II Kinase Inhibitors. SSRN Electronic Journal, 0, , .	0.4	O